October, 2005

KIP 3000

User Guide

KIP Authorized Dealers

This USER GUIDE contains functional and operational details of the KIP 3000 Multifunction Printer. There are many sections in this guide for Basic Functions and Advanced Operations. Please see the TABLE OF CONTENTS.

Please read this USER GUIDE carefully before using the Printer.
Please keep this USER GUIDE for future reference.

1. When this product is installed in North America.
   This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2. When this product is installed in Europe
   This equipment complies with the requirements in Pub.22 of CISPR Rules for a Class B computing device.
   Operation of this equipment in a residential area may cause unacceptable interference to radio and TV reception requiring the operator to take whatever steps are necessary to correct the interference.

Do not install Machine around other electronic equipment or other precision instruments. Other devices may be effected by electrical noise during system operation.

If the machine is installed near other electronic equipment, such as a TV or a radio, interference to the noted equipment, such as noise or flickering, may occur.
Use a dedicated power source and install the PRINTER as far as possible from the noted equipment.

As an ENERGY STAR ® Partner, Katsuragawa Electric Co., Ltd. has determined that this product meets the ENERGY STAR ® guidelines for energy efficiency.

The International ENERGY STAR ® Office Equipment Program is an international program that promotes energy saving through the penetration of energy efficient computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, facsimiles, copiers, scanners, and multifunction devices. Their standards and logos are uniform among participating nations.

Safety

The following pages are very important in order to safely use this product.
These notes are important in preventing harm to the operator or the operation of the printer.

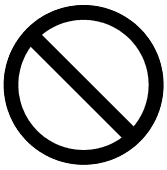
The following symbols are found throughout the USER GUIDE:

WARNING

This WARNING mark means that there is a possibility of death or serious injury if you ignore or do not follow the instructions.

CAUTION

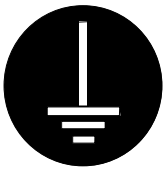
This CAUTION mark means that there is a possibility of injury or damage, if you ignore or do not follow the instructions.



This symbol means , “DO NOT ATTEMPT”

This symbol means , “pay close attention to”

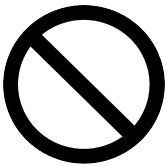
WARNING



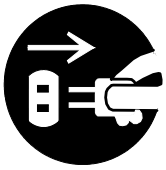
Ground the product with a proper ground source or you may be electrically shocked.

1. The Power source should be:
   120V +6% or -10%, 50/60Hz, 15A or higher
2. Use a circuit with a dedicated breaker.
3. Install the product as close to the wall outlet as possible.
4. If you wish to move the printer, please contact your service personnel.

1. Do not remove the screw(s) or do not open the cover if not instructed to do so in this User Guide. If you ignore this warning, you may be burnt to a hot item or receive an electric shock due or electrically charged part inside of the printer.
2. Do not disassemble or tamper with the printer.
   It may result in a fire or an electrical shock.



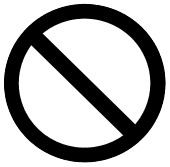
1. Do not plug in the printer into a multi-wire connector in which some other equipment is plugged into.
   It may cause a fire due to outlet overheating.
2. Do not damage the Power Cord by stepping on or placing heavy items on it.
   If the Power Cord is damaged, it may cause a fire or you may receive an electric shock. REPLACE THE CORD IF DAMAGED!



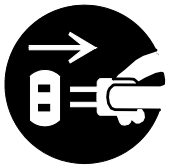
1. Do not put a flower vase, a flowerpot or any other water-filled item on the product. Spilt water could cause a fire or an electric shock.
2. If the product generates an abnormal smell or noise, turn it off and unplug it from the wall electrical outlet immediately.

Do not throw the toner into a fire or other sources of heat, as it can explode.

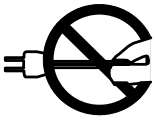
CAUTION



Do not install the printer in a humidified room or a dusty room.
Also, do not install the printer on an unstable floor as injuries may occur.



1. Unplug the printer before you move it.
   The power cord may be damaged and it may result in a fire or electric shock.
2. If you do not use the printer for a long duration (holidays, company shutdown) turn off and unplug the printer from the outlet for safety.



Do not pull the cord when you unplug the printer as you may damage the Power Cord.

There are hot items inside of the printer.
Take great care not to touch these items when you remove mis-fed media.

Ventilate the room well if installed in a small area.

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Section 1

Basic Printer Functions

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1. 1 Installation Requirements

The following conditions are required for the installation of the equipment.

1. Power source should be rated as:
   120V +6% or -10%, 50/60Hz, 15A or higher
2. The equipment must be on a dedicated circuit.
3. The outlet must be near the equipment and easily accessible.

1. Make sure to connect this equipment to a properly grounded outlet.
2. The outlet shall be installed near the equipment and shall be easily accessible.

Site Environmental Conditions

Temperature Range
10 C to 30 C
50 F to 86 F

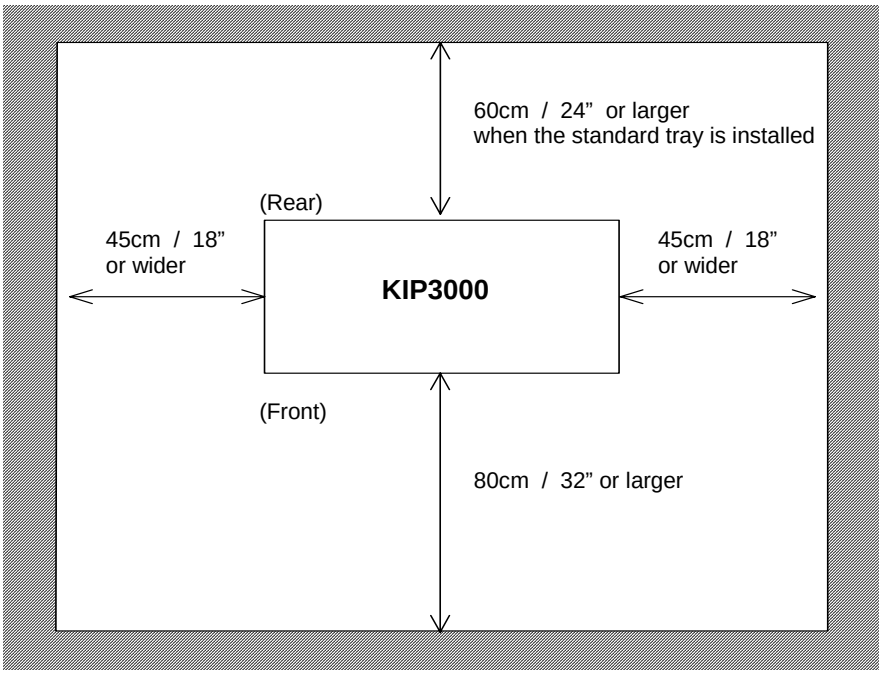
Humidity Range
20% to 85% RH. (NON CONDENSING)

Keep the printer away from water sources, boilers, humidifiers or refrigerators.

1. The installation site must not have any open flames, dust or ammonia gases.
2. The equipment must not be exposed to the air vents from heating/cooling systems.
3. The equipment should not be exposed to the direct sunlight.
   Please draw curtains to block any sunlight.
   When you open the printer (Upper Half), do not expose the Photoconductive Drum to strong (intense) light as this will damage the Drum.

Ozone will be generated while this equipment is in use, although the quantity generated is within all safe levels. (see certifications) Ventilate the room, if so required.

Keep ample space around the equipment to ensure comfortable operation.
(Refer to the following figure.) The floor must be level and the strength must be ample to sustain the weight of the equipment.



1. 2 Prohibited Originals

To duplicate or copy any type of document is not permitted! It may be illegal if you possess copies of certain types of documents. We recommend you investigate if you have the legal right to copy / scan a document prior to performing these functions.

Originals prohibited from copying / scanning (by law)

1. You cannot duplicate/copy Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.).
2. You cannot duplicate/copy Foreign Currency or Foreign Negotiable Instruments.
3. You cannot duplicate/copy unused postal stamps or government postcards without permission to replicate from the Government.
4. You cannot duplicate/copy Government issued revenue stamps or certificate stamps, which are issued by Liquor Tax Acts or the Commodity Tax Acts.

Other Notable Items

1. You are warned by the government not to copy / scan, private issued securities (stock certificate, draft, check, goods ticket, etc.), commutation ticket or book of tickets, excluding that some specific companies can copy such originals it requires for its own business.
2. We recommend you not freely copy / scan government issued passports, public or private issued licenses, automobile inspection certifications, ID and tickets (passes or meal).

Law To Reference	Items Prohibited to Duplicate
Regulations to control fake currency and bonds.	Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.)
Control Law against Forged or Fake Foreign Currency, Bill, Bank Note and Bond	Foreign Currency or Foreign Negotiable Instruments
Forged postal stamps control law	Unused postal stamps or government postcards
Forged revenue stamp control law	Government issued revenue stamps, and certificate stamps prescribed by Liquor Tax Act or Commodity Tax Act
Currency similarity securities Control Law	Private issued securities (stock, draft, check, goods ticket, etc.), commutation or book tickets

Originals protected by Copyright

It is prohibited to copy / scan:

books, music, paintings, maps, drawings, movie and pictures which are protected by copyright.

1. 3 Key Features

The KIP 3000 is a single footprint Multi-Function Printer which can copy, scan and print. Advanced drivers and comprehensive print utilities make the KIP 3000 an advanced, easy to use system. (some functions may be optional)

The scan and print speeds are up to 60mm/sec or up to 4 landscape “D” prints/minute.

KIP HDP technology generates no waste toner.

The combination of the KIP HDP Plus imaging system with mono-component minute toner produces high definition lines, distinctive greyscale and consistent blacks.

The maximum paper width is 914mm or 36” wide, and the minimum is 279mm or 11”.The maximum paper length is 3.6m or 11.8’ (with 36” paper), and the minimum is 210mm or 8.5”.

Up to 600dpi print and scan resolutions, with an advanced Image Process System, produces the highest quality images.

Copier Features

- Easy Touch screen control panel
- Collated Sets copying
- Real-time image preview
- Recall/reprint previous jobs
- 600x600DPI copy quality
- Integrated Accounting and Reports for all copying, network printing, scanning
- Network ready copier
- Simple Operator assistance for every day tasks (toner replacement procedure)
- Image stamping
- All hardware/software included for instant upgrade from Digital Copier to Network Printer to Scan-to-File system.
- Information center displays all support information, meter readings, and serial number.

Network Printer Features (Optional)

- Standard TCP/IP connectivity
- Direct support for vector file formats: HPGL1/2, HP-RTL, Calcomp 906/907
- KIP 3000 DWF format support
- Direct support for raster file formats: TIF Group 3/4, Cals Group 4, Uncompressed Grayscale/Color TIF,
- Optional KIP 3000 PDF format support: PS/PDF file format.
- Standard Windows Driver for KIP Script (PS output) and KIP-GL (HPGL/2,RTL output)
- Standard AutoCAD Drivers
- Unlimited site license of KIP Request allows users to group supported formats together for printing collated sets.
- Integrated Accounting in all KIP Drivers/Request for all network printing.
- Integrated KIP 3000 Web Printing (web server)
- Open architecture ASCII Job Ticket for third party applications

Scan-to-File Features

- Scan directly to PDF, TIF Group 4, Cals Group 4
- Scan to file to FTP or personal inbox on the KIP 3000
- Selected resolution – up to 600 DPI optical
- Automatic original size recognition
- Retrieve scanned image files with KIP Request

1. 4 Specifications

General

Subject	Specification
Model	KIP3000
Configuration	Console
Maximum power consumption	1500W (Including Scanner & IPS)
Acoustic noise	Idling ..... Max. 52db Printing ..... Max. 60db Impulse sound ..... Max. 65db
Ozone	Max. 0.1ppm (Measurement method under UL Standard)
Dimensions	1240mm (W) x 600mm (D) x 1100mm (H) or 49” x 24” x 44” (Operation Panel is not included in these dimensions)
Weight	195 kg or 430 lbs (1 roll) 200 kg or 440 lbs (2 roll) (weights are estimated)
Environmental condition for usage	Temperature: 10 to 32 Centigrade or 50 to 86 Fahrenheit Humidity: 20 to 85% RH
Input power	In U.S.A. : 120V plus/minus 10%, 50/60Hz, 10A In Europe : 220-240V plus 6% or minus 10%, 50/60Hz, 6A

NOTE : specifications subject to change without notice

Printer

Subject	Specification
Model	KIP 3000
Configuration	Console – Single Footprint
Printing method	LED Array Electro-Photography
Photoreceptor	Organic Photoconductive Drum
Print speed	60mm per second (Metric) ..... 2 A0 / minute (Inch) ..... 2 E or 4 D Landscape / minute
Print head	LED Array – Calibrated
Resolution	600dpi x 600dpi
Print width	Maximum ..... 914mm or 36” Minimum ..... 279mm or 11”
Print length	Maximum (Standard) ..... 3.6m or 11.8’ (Option) ..... 24m or 75’ Minimum ..... 210mm or 8.5” **⚠ NOTE** If the page is longer than 3.6m, image quality, function and reliability are not guaranteed.
Warm up time	Less than 5
First print time	24 seconds (D Landscape) 32 seconds (E)
Fusing method	Heat - Pressure Rollers
Development method	Dry, non-magnetic mono-component toner
Media	Plain Paper ..... 64 to 80g/m^2 - US Bond (20lbs) Tracing Paper ..... US Vellum (20lbs) Film ..... 4 MIL Recommend media for electro-photography process
Storage of consumables	Store toner from 0 to 35 C (32 to 95 F) and within the humidity range from 10 to 85% RH.

NOTE : specifications subject to change without notice

Scanner

Subject	Specification
Scanning method	Contact Image Sensor (CIS) (5 – A4)
Light source	LED
Setting of original	Face up
Starting point of scan	Center
Scan width	Max. : 914.4mm or 36” Min. : 275.0mm or 11”
Transportable original width	Max. : 932.2mm or 36.7” Min. : 275.0mm or 11”
Scan length	Max. : 15,240mm or 50’ (Including the margin area) Min. : 210mm or 8.5” (Including the margin area)
Margin area	3mm from leading edge and trailing edge
Optical resolution	600dpi
Digital resolution	Max. : 600dpi Min. : 100dpi
Original transportation	Sheet through type
Transportable original thickness	Max. : 0.65mm Min. : 0.05mm

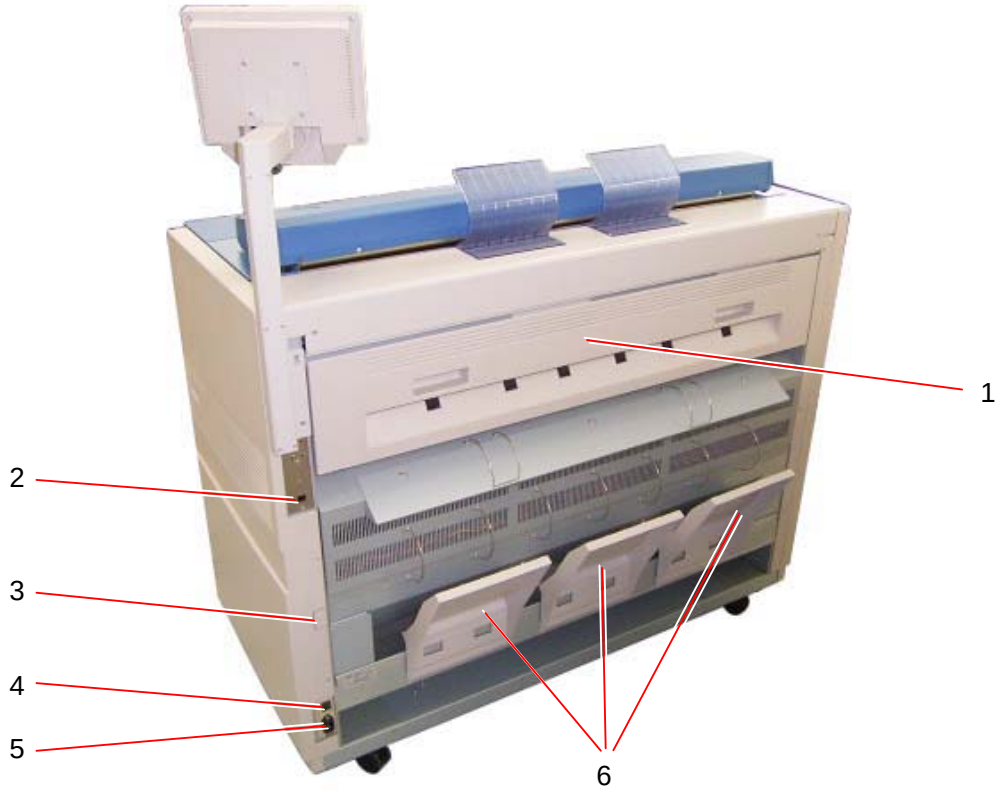
NOTE : specifications subject to change without notice

1. 5 Exterior Views

1. 5. 1 Front view

No.	Name	Function
1	Main Switch	Turns on / off the KIP 3000.
2	Original Guides	Assists the user to feed originals into the scanner.
3	User Interface	Operation Panel, with many user operations.
4	Emergency Stop Button	Press this button when you would like to stop copying or scanning in an emergency situation.
5	Original Return Guides	Guides return the originals to the user.
6	Scanner	Images the original for all scans or copies.
7	Original Table	Open this cover to replace the Toner Cartridge. Place the original to feed into the Scanner to make a scan or copy.
8	Engine Unit Levers	Press up on the handles to open the printer engine.
9	Cut Sheet - Bypass	Feeds a sheet of cut sheet media.
10	Roll Deck	Roll media installed here. 1 Roll - standard 2 Rolls - optional.
11	Print Tray	Copies / prints are placed here. (standard configuration) Optional Stacking / Folding devices are available
12	Counter	Counts the total amount printed. (also see Operational Panel - Info Screen)

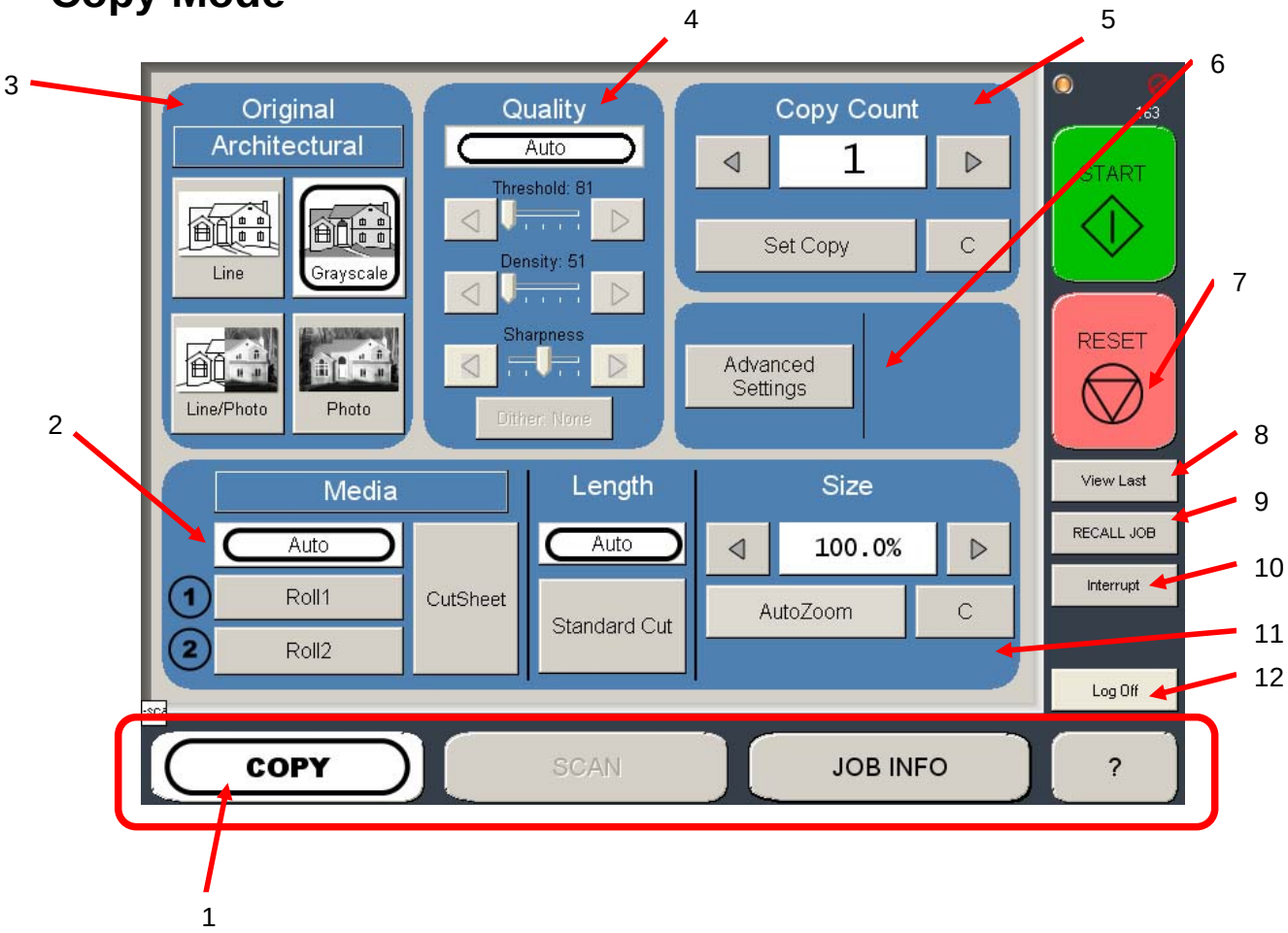
1. 5. 2 Rear view



No.	Name	Function
1	Exit Cover	Open the Exit Cover when you remove the paper mis-fed inside of the Fuser Unit.
2	LAN Port	Connect the LAN Cable here to connect the KIP3000 to the network. (Do not connect a telephone line.)
3	Dehumidify Heater Switch (Option)	Turn on the Dehumidify Heater with this switch when you would like to dry the paper in the humid season.
4	Inlet Socket	Connect the Power Cord here.
5	Breaker	It is possible to shut off supplying the AC power.
6	Print Guide Trays	These trays guide the prints to the Print Tray.

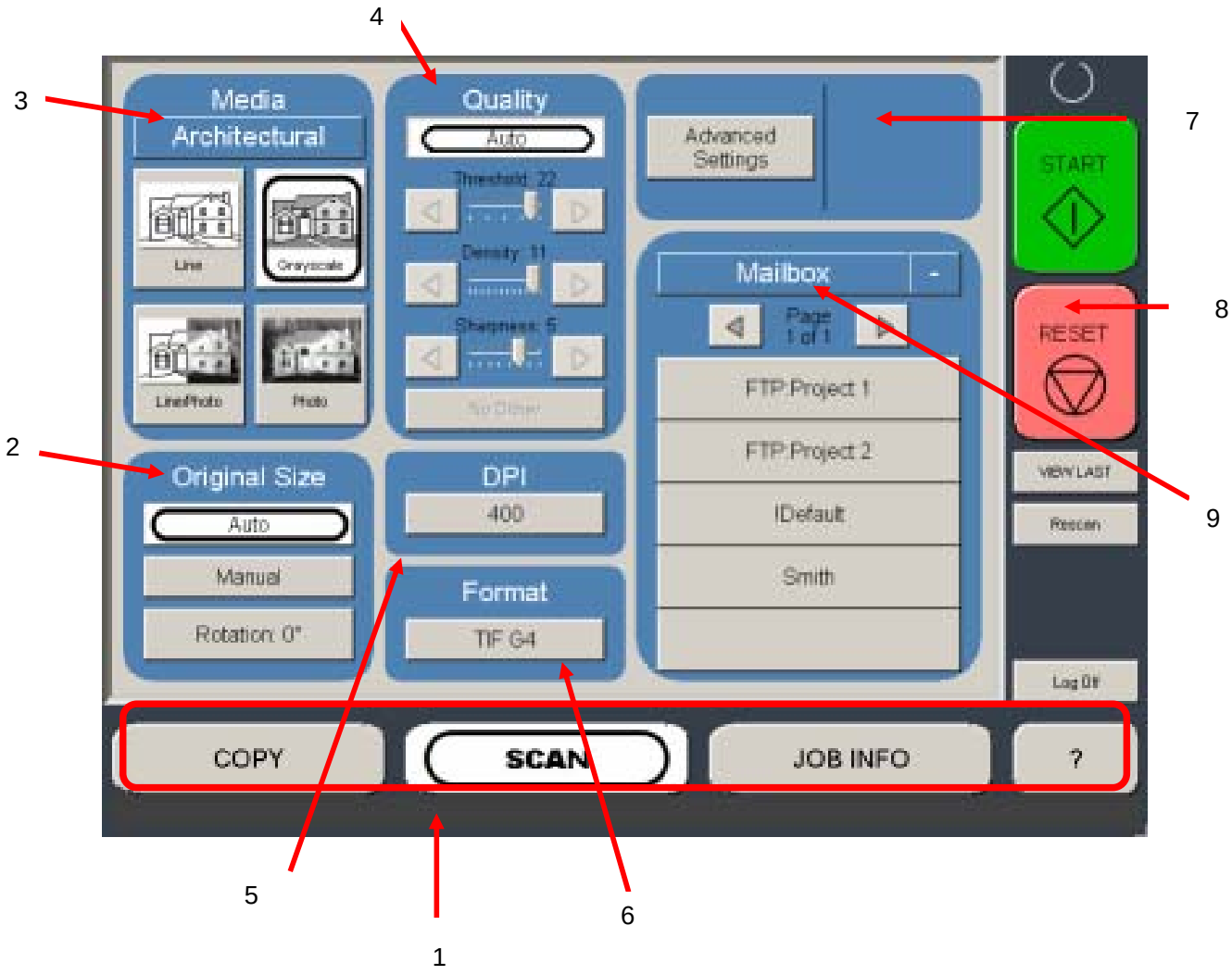
1. 5. 3 Operator Panel – User Interface Basic Screens

Copy Mode



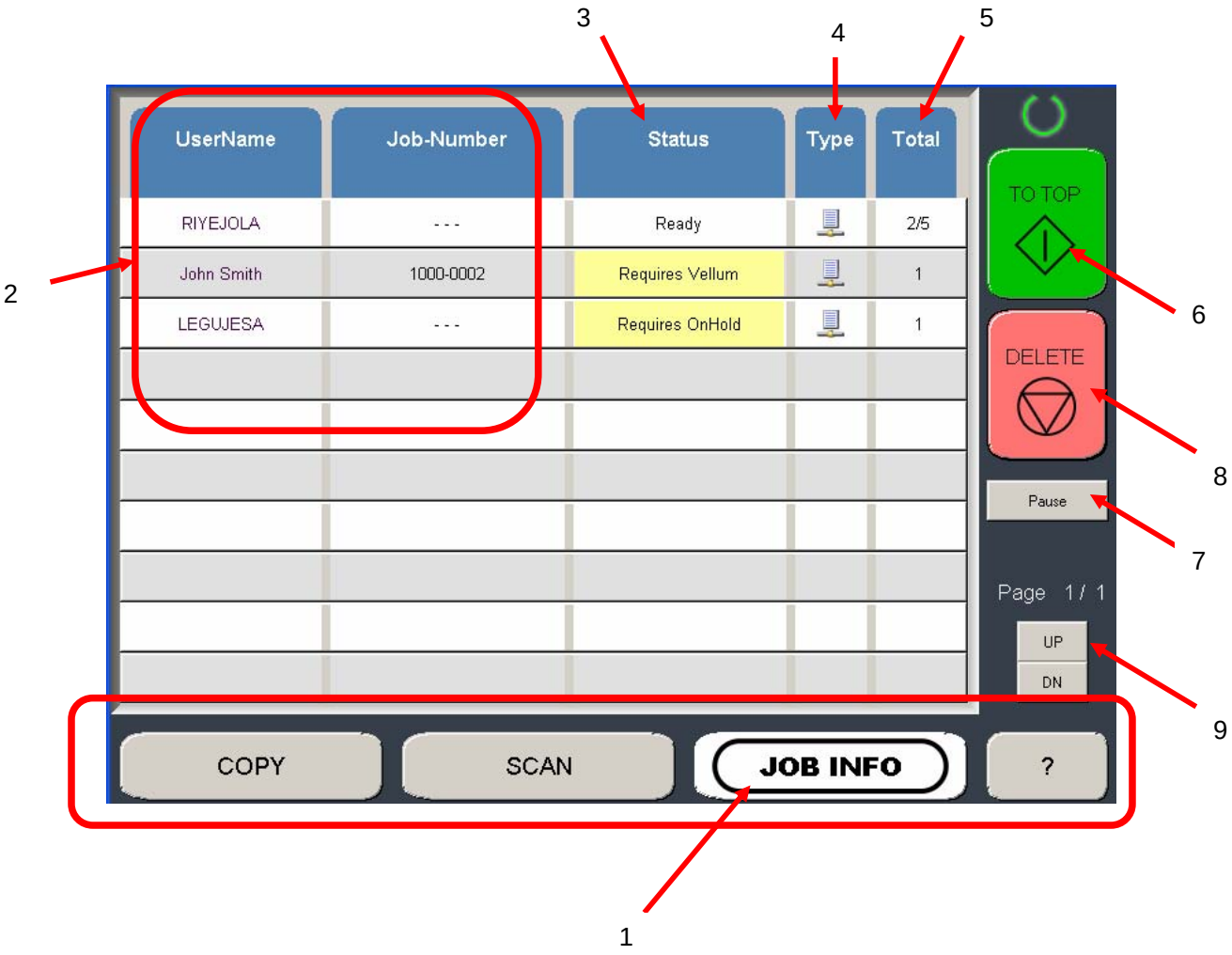
No.	Name	Function
1	Mode	Selects the “Mode” of the system. (Copy Mode for this screen shown)
2	Media	Displays Media type and quantity installed. Includes Cut Sheet Functions and Media Selection
3	Original Type	User Selects the type of original to copy. Also select Eng/Arch Modes here.
4	Quality	Select Auto or Manual Image adjustments
5	Copy Count	Select the quantity of prints and sets designation.
6	Advanced Settings	Invert , mirror, stamps, folds, and edge adjustments preformed / displayed in this button (sub screen)
7	Reset	Clears the image buffer and resets the system to default settings.
8	View Last	The last scan / job can be viewed
9	Recall Job	Images can be recalled from the last job for reprint. Please note that a time limit may be set to recall or this feature may be disabled by the administrator to prevent any unauthorized copies.
10	Interrupt	Pauses the network print jobs to print any copy jobs
11	Zoom	Manual and automatic zoom ratios set.
12	Log Off	Displayed if Accounting enabled to Log off current user

Scan Mode



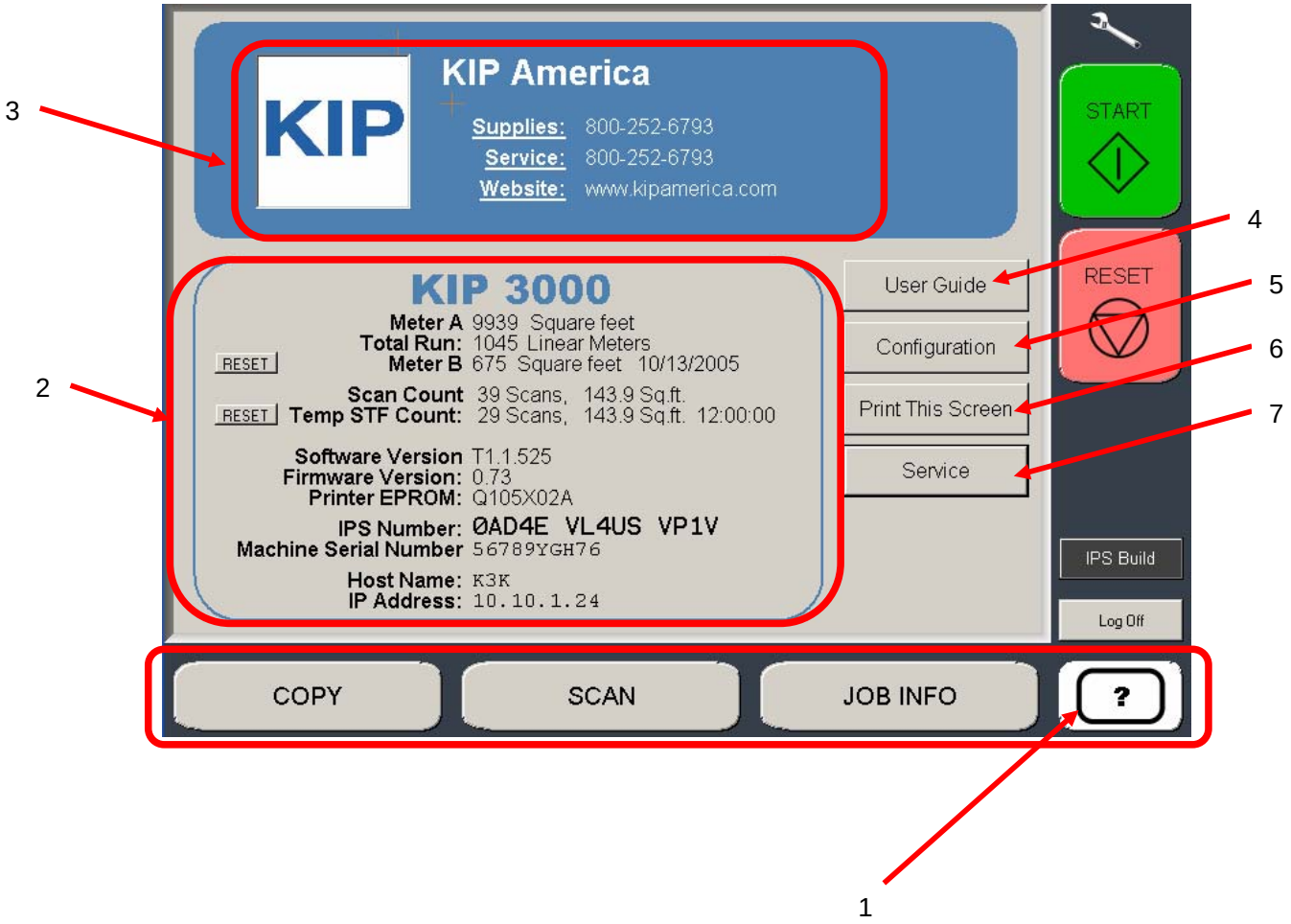
No.	Name	Function
1	Mode	Selects the “Mode” of the system. (Scan Mode for this screen shown)
2	Original Size	Use automatic settings or manually set width, length and rotation of the images.
3	Original Type	User Selects the type of original to copy. Also select Eng/Arch Mode selected here.
4	Quality	Select Auto or Manual Image adjustments
5	Resolution	Scroll through image resolution (DPI) of the scanner.
6	Format	Scroll through file formats.
7	Advanced Settings	Invert, mirror, stamps, and edge adjustments preformed / displayed in this button (sub screen)
8	Reset	Resets the system to default settings.
9	Mailbox	Select where the image will be stored after the scan (local setting, FTP etc.).

Job Info Screen



No.	Name	Function
1	Mode	Selects the “Mode” of the system. (Job Mode for this screen shown)
2	User Name – Job #	Display the User and any user info of the job ID. A job can be selected for other functions noted below.
3	Status	Shows the current status of a job and media selection.
4	Type	Displays a copy or network print job
5	Total	Displays the total number of prints and current number printed.
6	To Top	After a job is selected (see #2) the position can be changed to the next job printed.
7	Pause	Pauses printer to allow media change, etc
8	Delete	After a job is selected (see #2) it can be removed from printing.
9	Up/Down	Scrolls through available pages in the queue.

Information / Help Screen



No.	Name	Function
1	Mode	Selects the “Mode” of the system. (Info/Help Mode for this screen shown)
2	Meter – Versions	Display the current meter counts as well as all Software/Firmware versions, IPS number, Host Name/IP
3	KIP Contact	Shows the contact information for the KIP Service and KIP Supplies provider.
4	User Guide	User Guides for details on system functions and operations.
5	Configurations	Allows user “set up” of the system.
6	Print This Screen	Allows the current screen with version and counter values to be printed on the KIP 3000.
7	Service	Allows advanced “set up” of the system. Usually for technical purposes only. Pass-code required.

1. 6 Options - Accessories

Please contact your Authorized Reseller for the following options available for the KIP 3000:

1) Network Printing
Adds the functions of network printing (TCP/IP) from Windows and CAD applications. Includes Windows/PS drivers, AutoDesk Drivers, “Request” job submission utility and “KIP PrintNet” for web based submissions.

2) Scanning
Adds the function of scan to file, local drives or FTP sites in a variety of file formats.

3) PDF / PS Printing
Allows direct PDF and Postscript file format printing from various applications including Request.

4) Roll Deck 2
Second roll of media for increased productivity

5) Print Trays - Slant Stacker
To accommodate a larger quantity of prints than the standard front print tray rearward stacking systems are available for the KIP 3000.

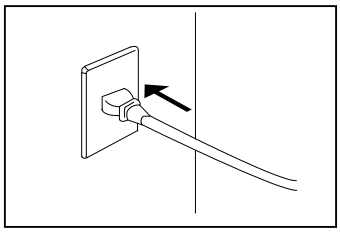
6) Folding (KIPFold)
For fan and crossfold functions as a copier, or network printer.

7) Dehumidifier
Roll Deck Dehumidifier for locations with excess or high humidity

All KIP 3000 options and accessories are subject to change without notice. Please contact your local Authorized Reseller for details on current available options for the KIP 3000.

2. 1 Turning on the KIP 3000

1. Ensure the KIP 3000 is plugged into a dedicated wall outlet.



⚠ WARNING

(1) Do not handle the Power Plug with wet hands, or you may receive an electrical shock.
(2) Make sure to ground the machine for your safety.
(3) Do not plug the printer into a multi-plug connector in which other devices are plugged into. It may overheat the outlet and may result in a fire.
(4) The outlet must comply with 120V, plus 6% & minus 10%, 15A, and 50/60Hz

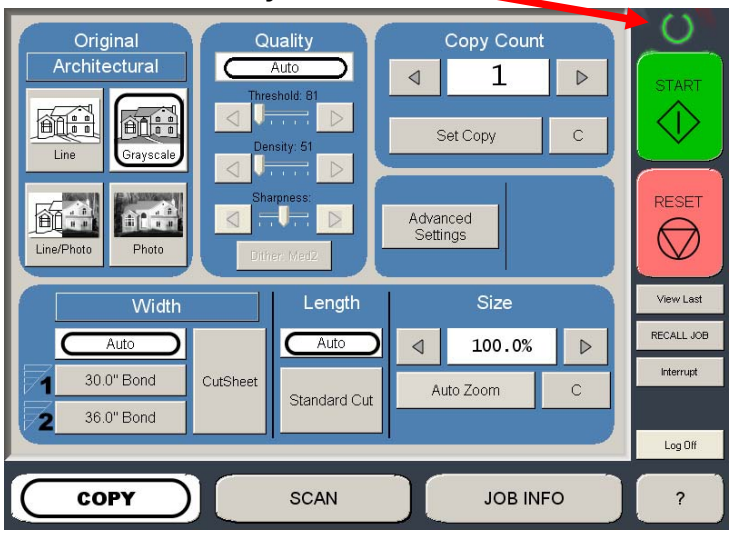
2. There is a Power Switch on the right side of KIP3000.

   Switch to the " I " position to turn on the KIP3000.

Power Switch

3. The Operation Panel commences to operate, and the Copy Mode Screen will appear in approximately 1 minute. A Ready Indicator on the Copy Mode Screen will flash during the warm up process.

Ready Indicator



4. When the Ready Indicator stops flashing, the KIP 3000 is ready to copy/scan/print.

2. 2 Turning off the KIP 3000

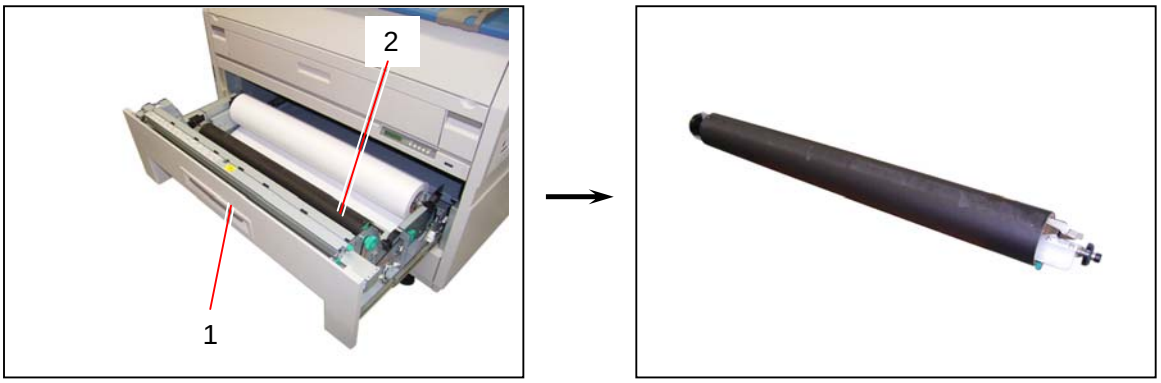
1. There is a Power Switch on the right side of KIP3000.

   Switch to the “ O ” position to turn off the KIP 3000.

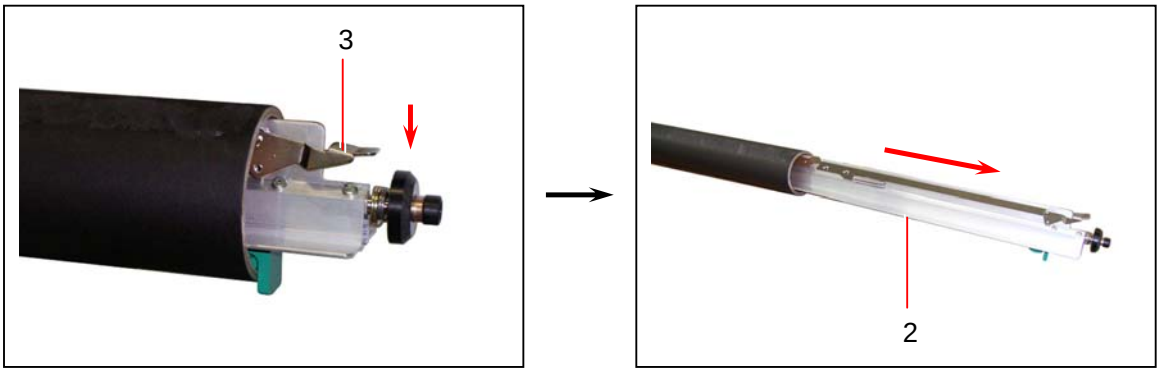
Power Switch

2. 3 Roll Media Replacement

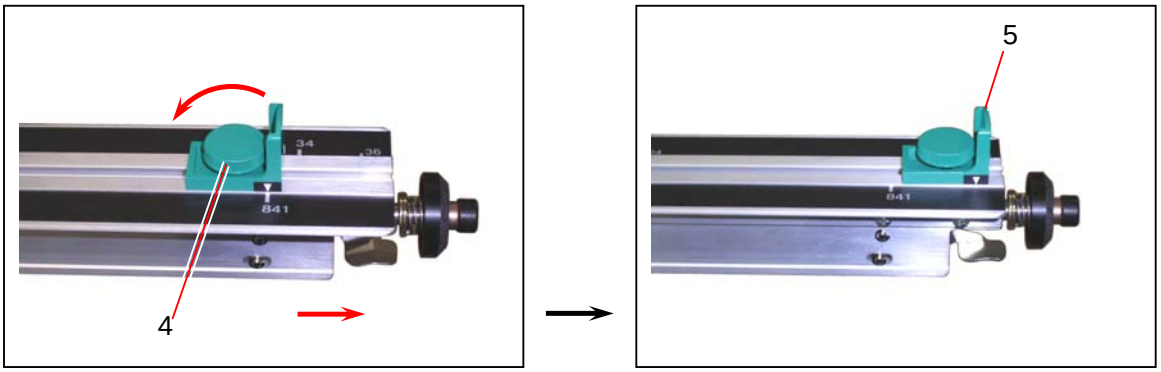
1. Open the Roll Deck (1).
   Remove the Spool (2) with the roll core from the Roll Deck.



2. Press down on the Lever (3) to release the core, and then pull out the Spool (2) from the core.

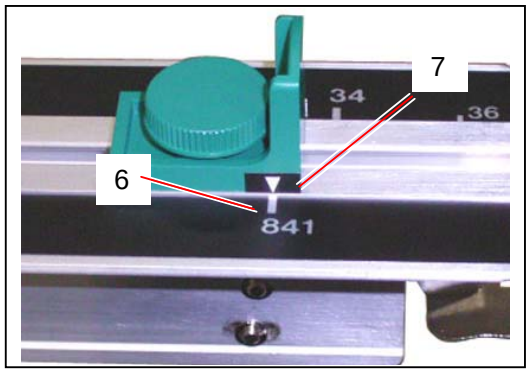


3. If so required, loosen the knob (4), slide the position of Paper Guide (5) according to the width of media to be installed, and then secure the Paper Guide by tightening the knob.

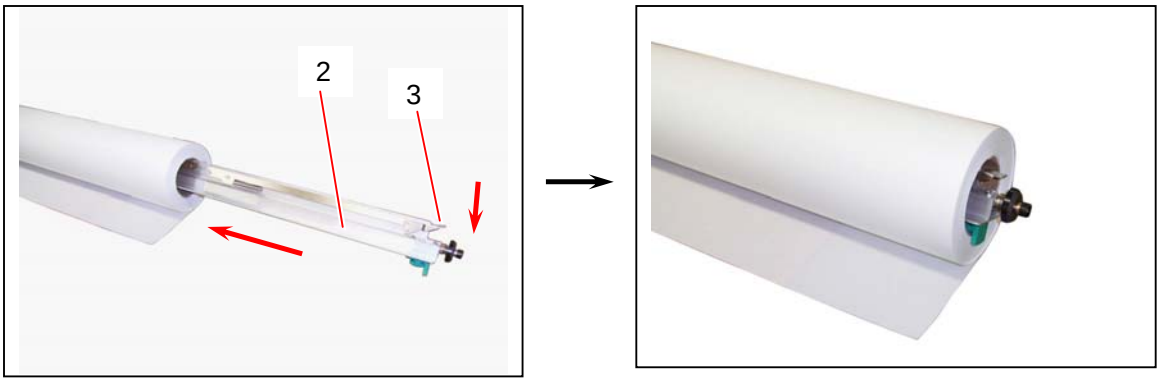


NOTE

There are Size Guides (6) on the Spool.
The Paper Guide is provided with a triangle mark (7), place the Paper Guide so that
the triangle aligns with the line of Size Guide.



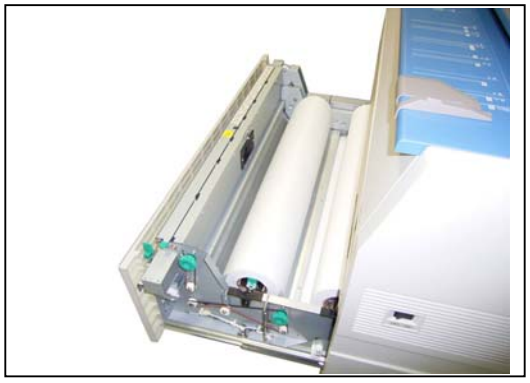
4. Place a new roll on a table/desk or another stable flat surface. Pressing down the Lever (3), insert the Roll Spool (2) into the core of new roll.



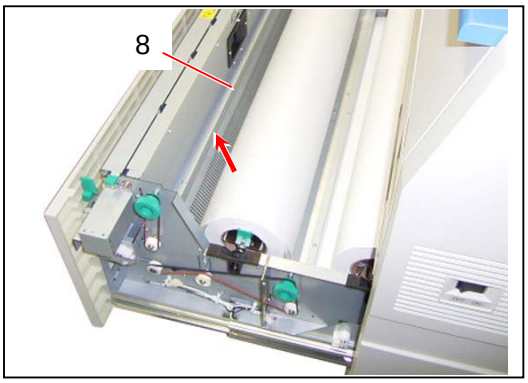
NOTE

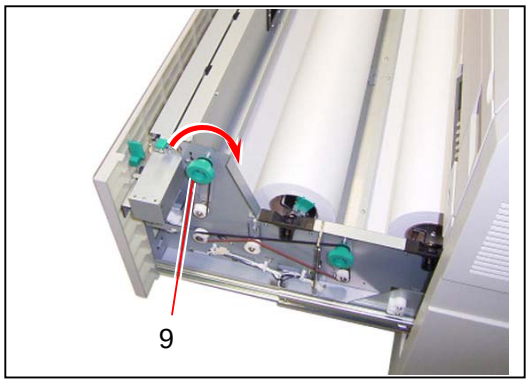
Please note the unwinding direction of the media at this time. Please see diagrams.

5. Place the Spool with new roll into the Roll Deck.



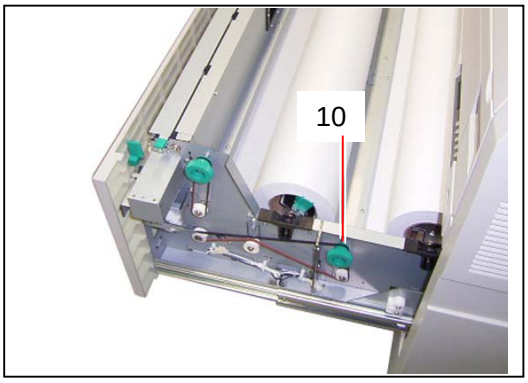
6. Insert the leading edge of the media under the Guide Plate (8) until the edge touches the feeding roller.
   Then rotate the Feeding Handle (9) clockwise so that the feeding rollers catch the roll paper.



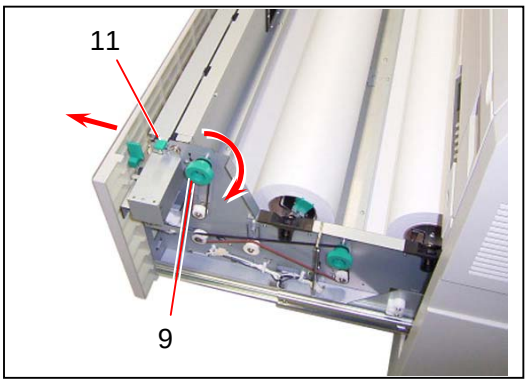


NOTE

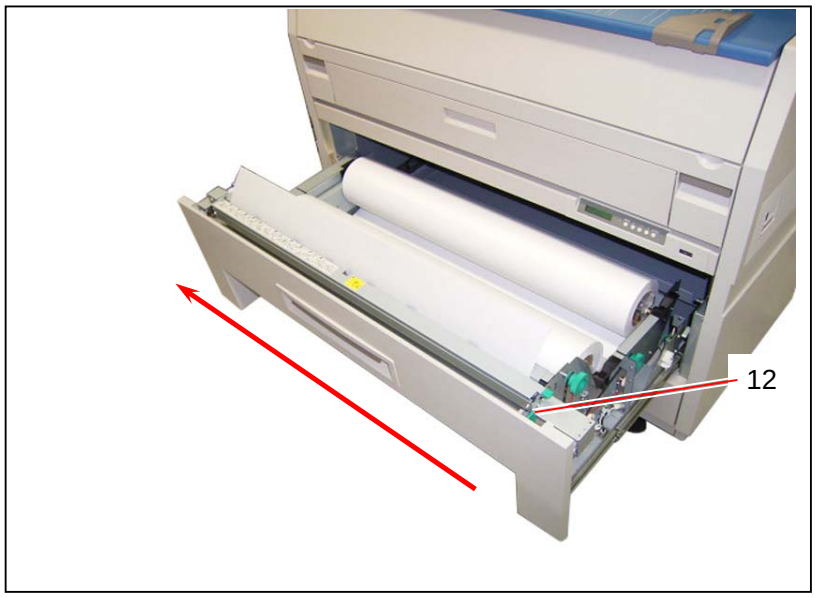
In case of Roll 2, rotate the Feeding Handle of Roll 2 (10).



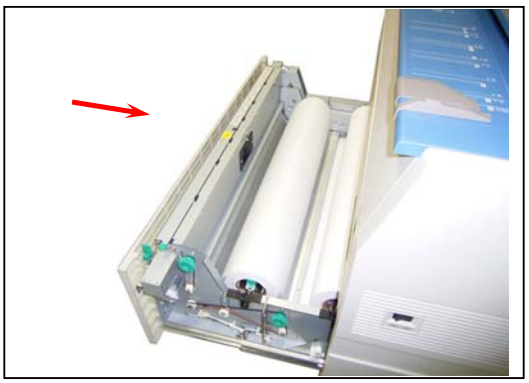
7. When the feeding rollers catch the media, move the Lever (11) to the front side and rotate the Paper Feeding Knob (9) until the leading edge comes out from the guides.



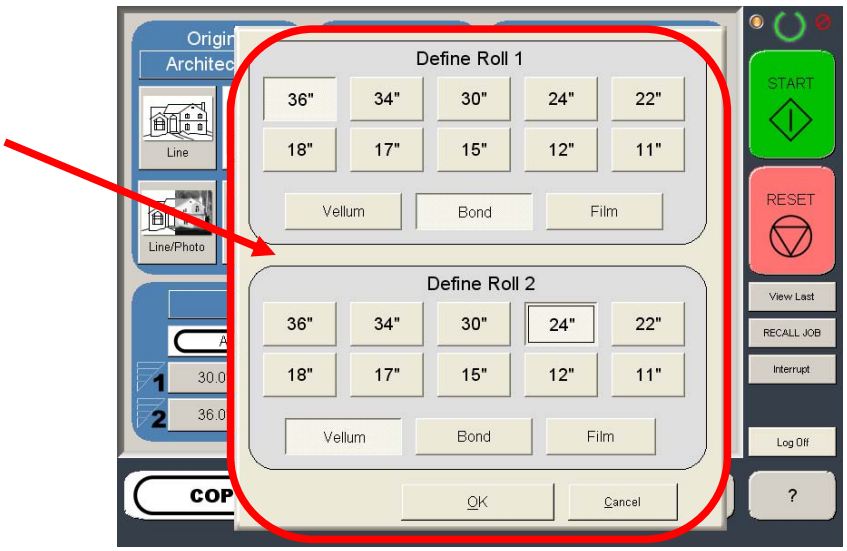
8. Slide the Cutter Handle (12) fully from one side to another side to cut the leading edge. Remove the cut portion and discard.



10. Close the Roll Deck.

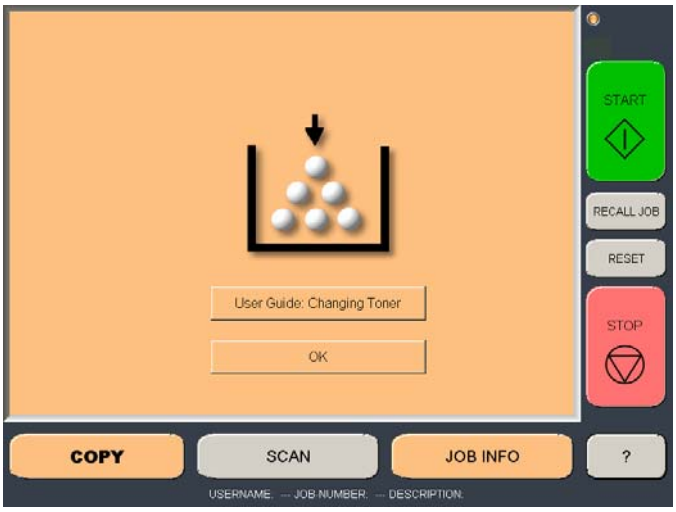


11. On the Operator Panel, a screen will automatically appear after the deck is closed to define the media width and type. Please select the width, and type for each roll deck and then select the "OK" button to confirm the selection.



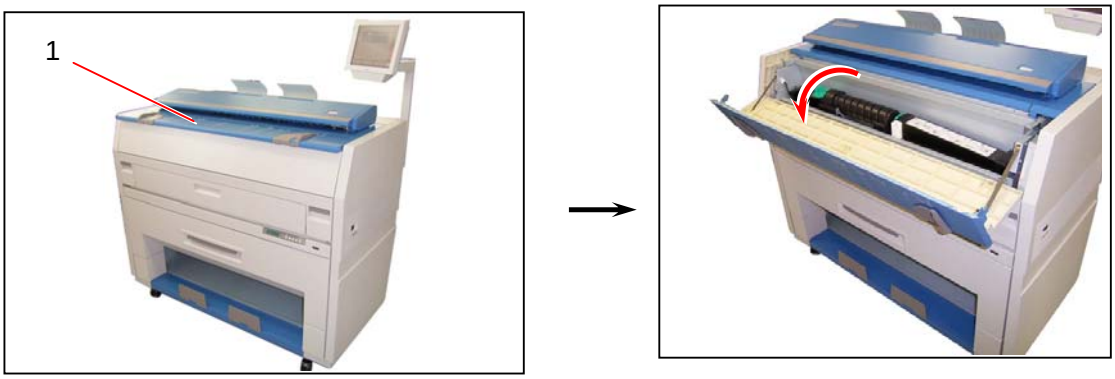
2. 4 Toner Installation

When toner installation is required, the Operator Panel will display a “Toner Required” screen (in the “Copy” and “Job Info” Screens)

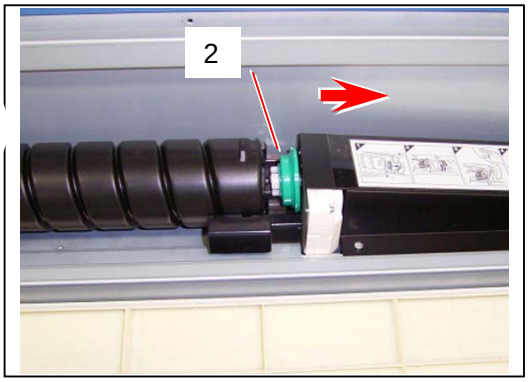


To replace the toner cartridge, please follow these steps:
Please note that the replacement procedure can also be displayed on the Operator Panel for easier access, by pressing “User Guide : Changing Toner” on the screen)

1. Open the Toner Cover (1).

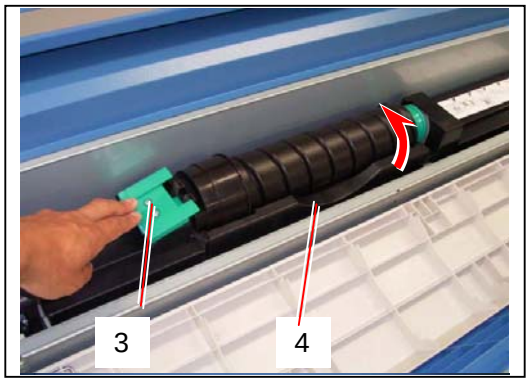


2. Slide the green Disk (2) to the right, to unlock the Toner Cartridge.



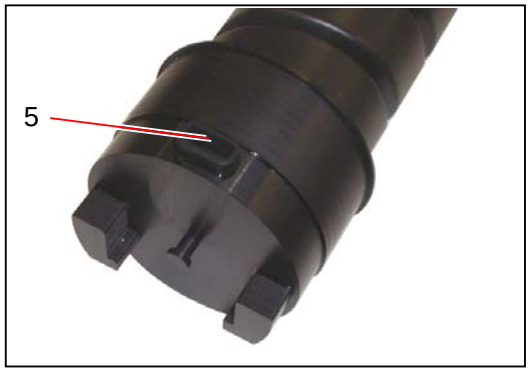
3. Pressing down on the Cartridge Lock Lever (3), rotate the body of cartridge (4) in the arrow direction several revolutions until it stops turning.

   The cartridge is resealed by this procedure!



NOTE

If you remove the Toner Cartridge without resealing the toner outlet (5) the toner will drop from the toner outlet and it will scatter into the machine or onto the floor!

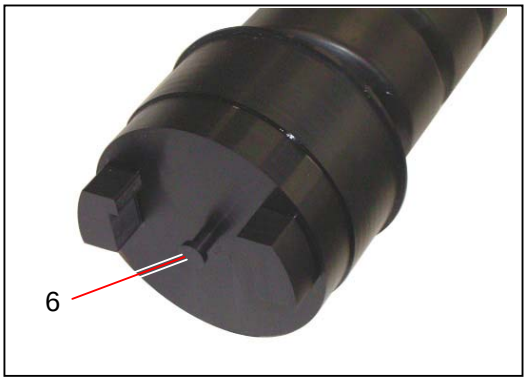


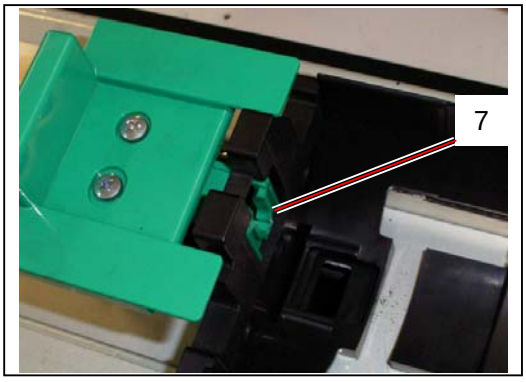
4. Pressing down the Cartridge Lock Lever (3), lift up on the left side of the Toner Cartridge, and then remove the entire cartridge from the machine.

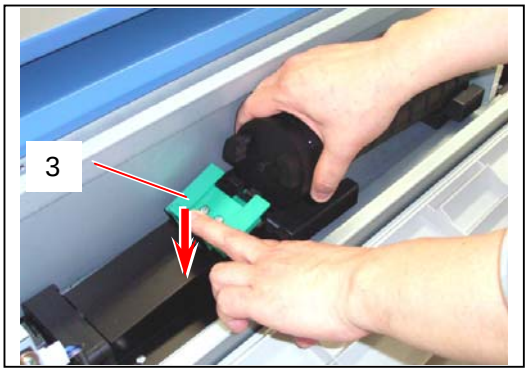
   Discard the spent cartridge using local recycling or waste management programs.

5. Shake a new Toner Cartridge several times from left and right to loosen the toner.

6. Locate the pin (6) of the left side of cartridge. While pressing down the Cartridge Lock Lever (3), fit the pin to the groove (7)

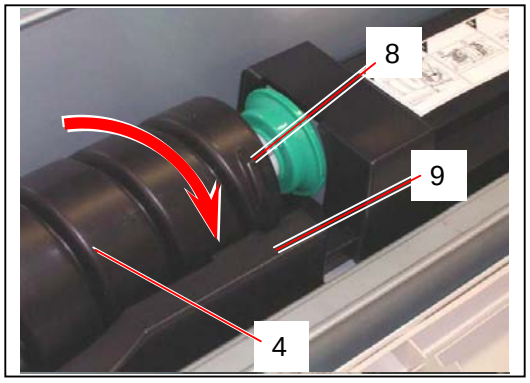






7. Rotate the body of the cartridge (4) to the arrow's direction, several revolutions to open the toner outlet.

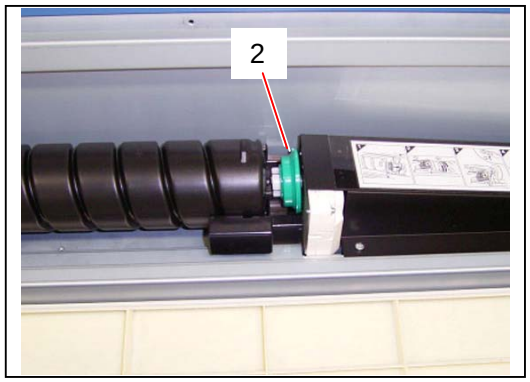
   Confirm that the projection (8) will fit into the notches (9).



NOTE

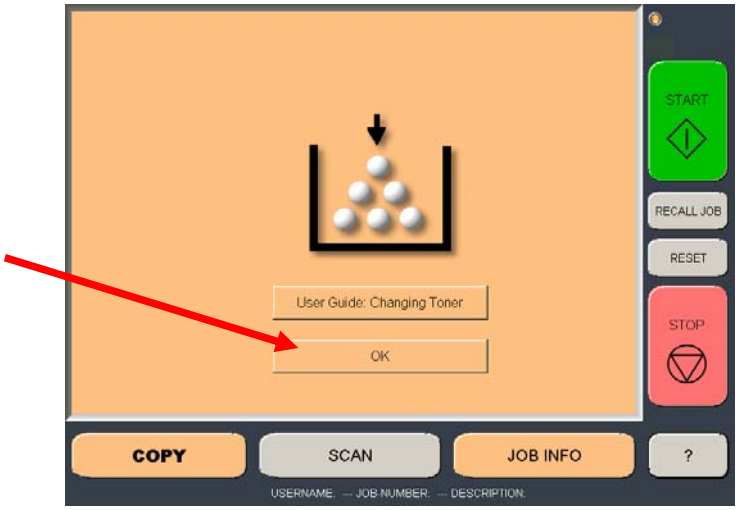
It is not necessary to lock the cartridge with the green Disk (2).

It will automatically lock after the Toner Hatch is closed.



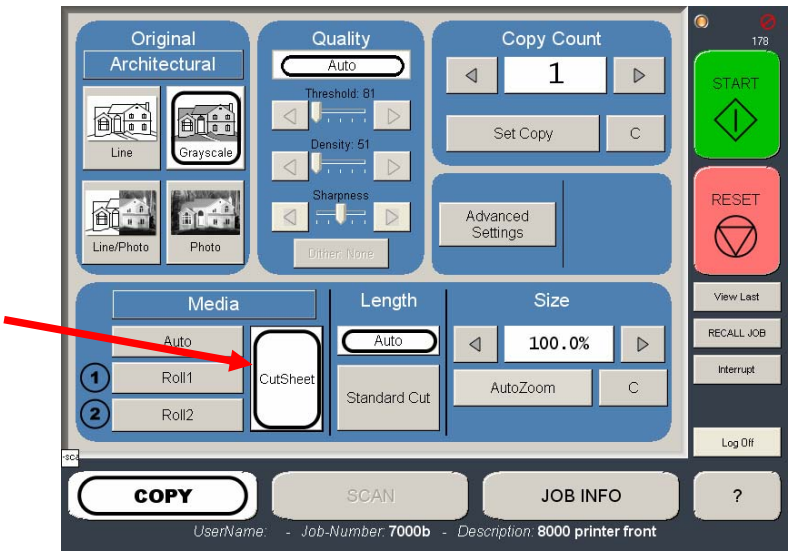
8. Close the Toner Cover.

9. Press “OK” on the Operator Panel to continue copying or printing.

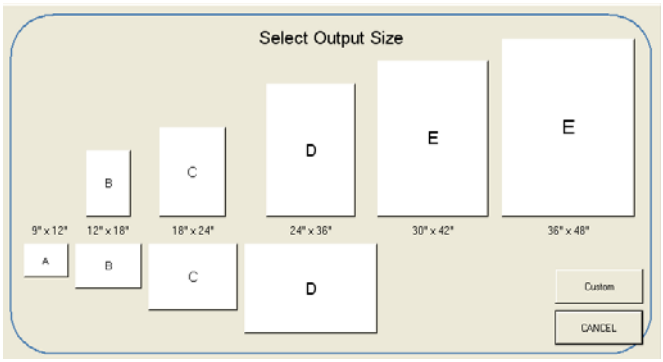


2. 5 Cut Sheet Media Placement

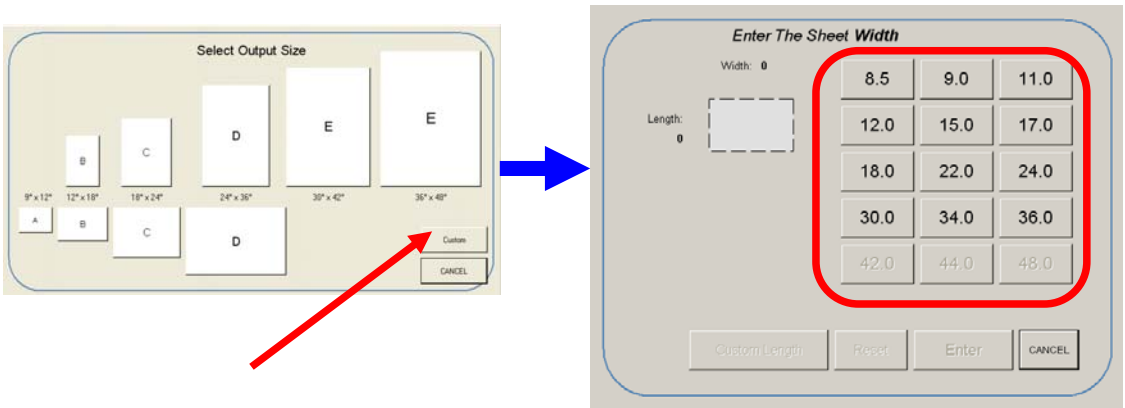
1. Select Cut Sheet Bypass Button on the Operator Panel. (Copy Mode)



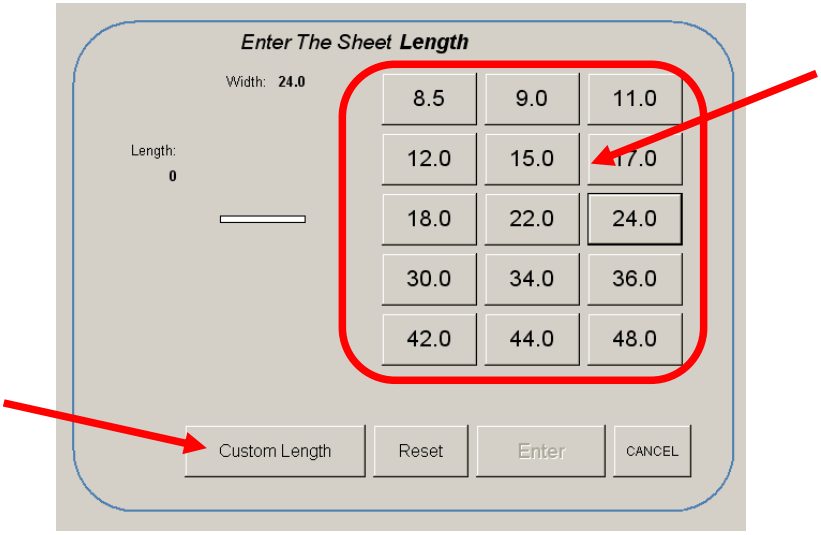
2. Select the size of the sheet, and the media type (not shown)



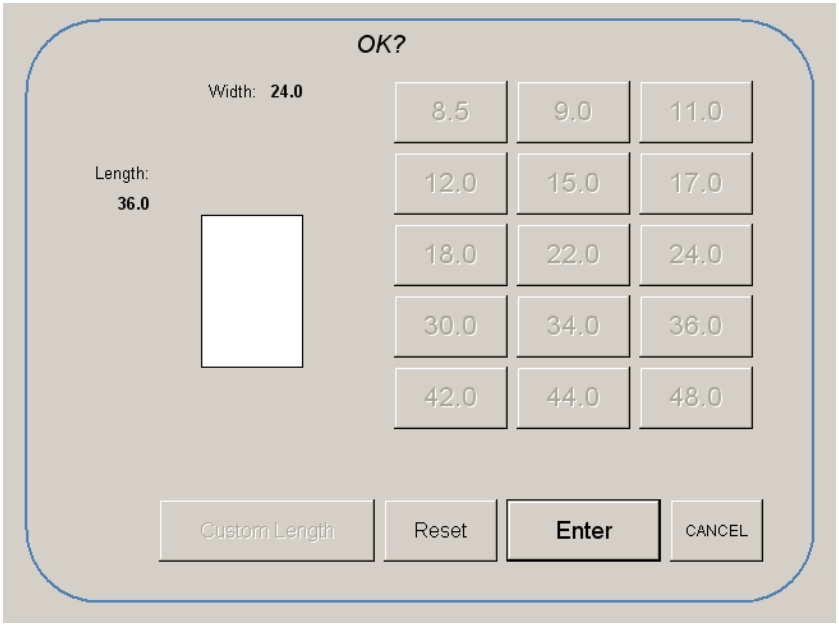
3. Or use “Custom” to select a width.



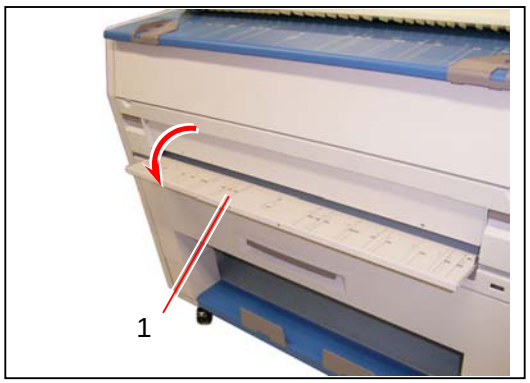
4. Select a standard length or use a “Custom Length”.



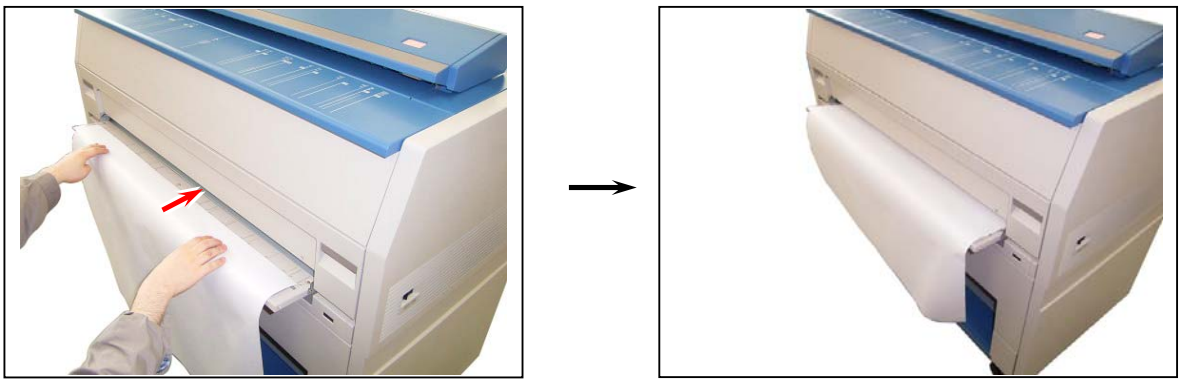
5. Confirm the cut sheet size by pressing enter.



6. Open the Cut Sheet Feeder (1).



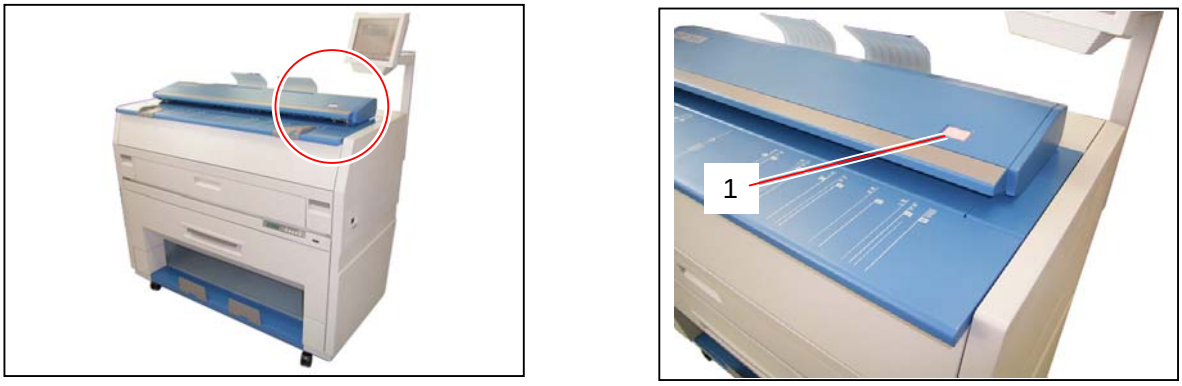
6. There are size markings on the table.
   Insert the cut sheet paper on the table along with the associated size mark, and then insert it into the Feeder referencing the size marks.
   When the paper is inserted far enough, the machine automatically sets the paper at the proper position.



7. Continue with normal copy / print functions. See User Guide “Copy” or “Print” sections.

2. 6 Emergency Stop of a Copy or Scan

If ever so required, press the Stop Button (1) on the Scanner to immediately stop the original while making a copy or a scan.



2. 7 Dehumidifying the Roll Media

If the printer is located in an environment where the humidity may effect the image quality, please turn on the dehumidifiers.

1. Select Switch to " I " position

NOTE

Dehumidifiers are an option for the KIP 3000. Please contact you local KIP Reseller for details.

3. 1 Operational Errors

3. 1. 1 Paper mis-feed Errors

In case of a paper jam, a message will be displayed on the Operator Panel as well as the Technical LCD. One of the following messages will be displayed if an error does occur.

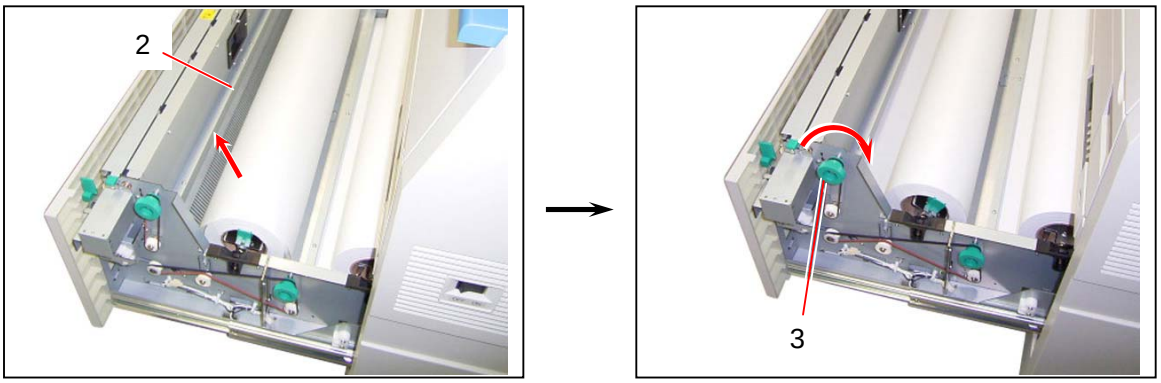
Roll Deck / Feeding Jam
Cut Sheet / Manual Jam
Internal Jam Resist Jam
Fuser Jam
Accessory Jam

3. 1. 1. 1 Deck jam / Feeding Jam

Either "Deck jam" or "Feeding Jam" is displayed when the roll paper is mis-fed in the Roll Deck.

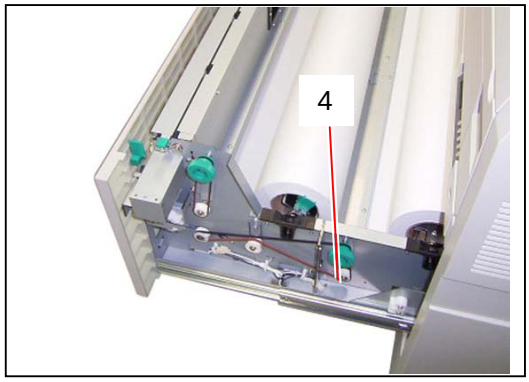
1. Open the Roll Deck, and unwind the roll paper.

2. Insert the leading edge of media under the under the Guide Plate (2) until the edge touches the feeding roller.
   Then rotate the Feeding Knob (3) clockwise so that the feeding rollers catch the roll paper.

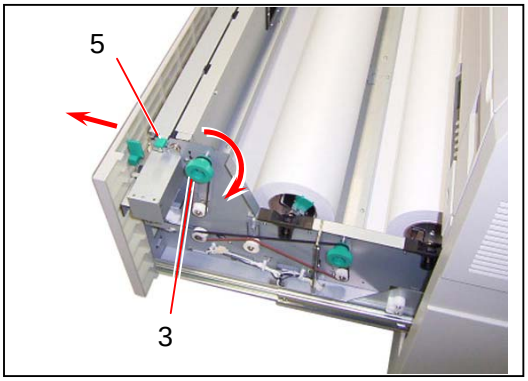


NOTE

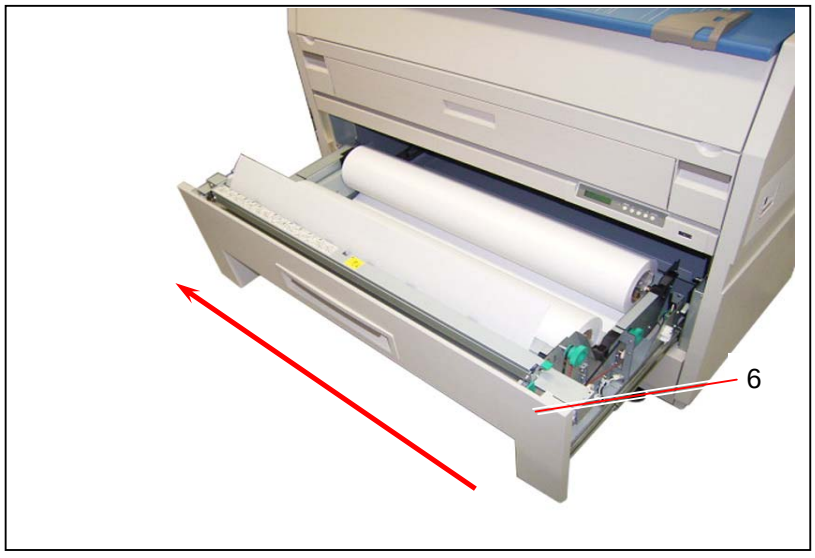
In case of Roll 2, rotate the Feeding Knob of Roll 2 (4).



3. When the feeding rollers catch the paper, move the Lever (5) forward and rotate the Feeding Knob (3) until the leading edge comes out from the guides.



4. Slide the Cutter Handle (6) fully from one side to another side to cut the media. Remove the cut media.

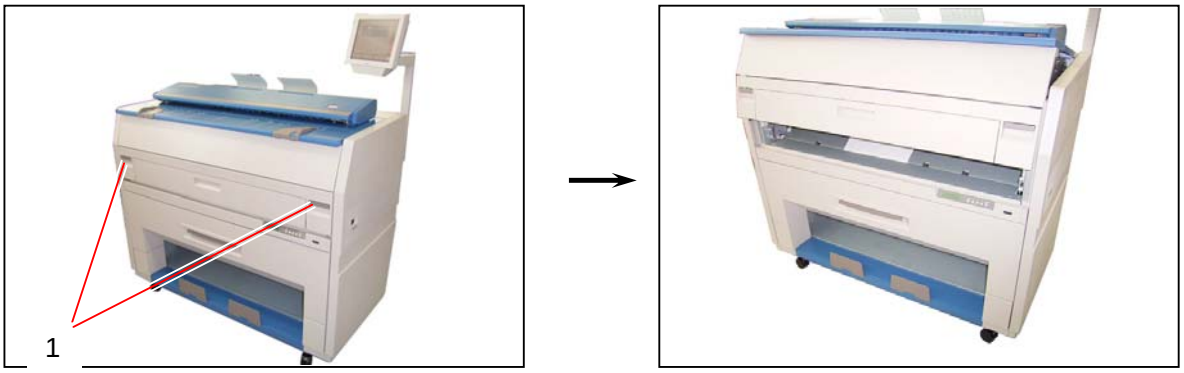


3. 1. 1. 2 Cut Sheet / Manual Paper Jam

1. Carefully remove the paper by pulling as noted.

3. 1. 1. 3 Resist Jam / Internal Jam

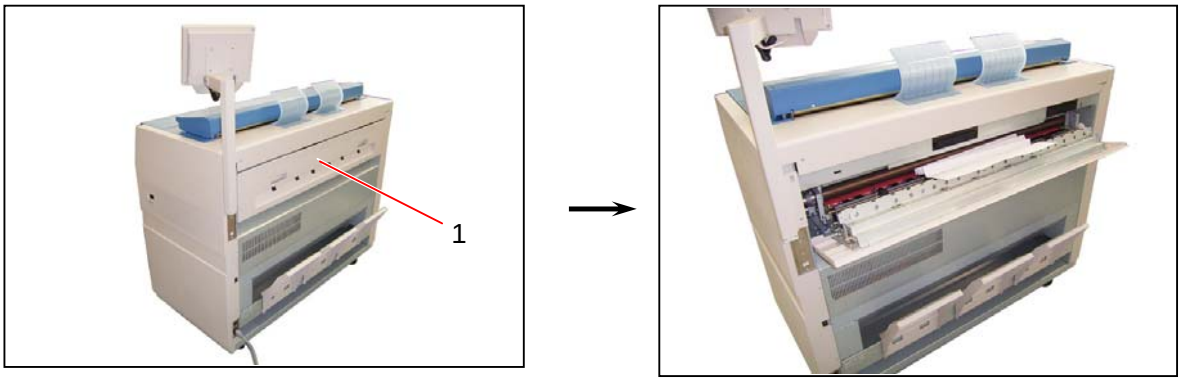
1. Pull up the Engine Levers (1) to open the printer.



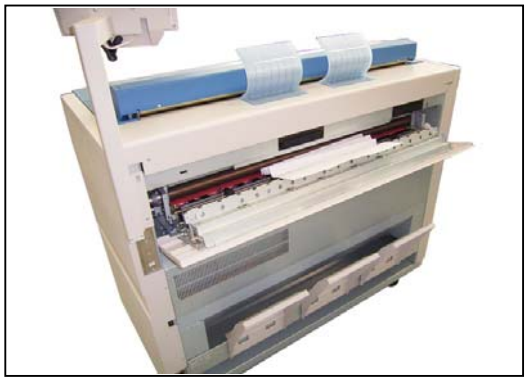
2. Remove any mi-fed paper.

3. 1. 1. 4 Fuser Jam

1. Open the Fuser Cover (1).



2. Remove the jam paper, by carefully pulling out the back.



WARNING

There are extremely hot parts inside of the Heater Area.
Do not touch any parts in the Heater Unit, or you will be burnt!
Also note that the paper may be very hot as well.

NOTE

If you can not find the mis-fed paper inside of the Fuser, refer to [3. 1. 1. 3 Resist Jam / Internal Jam] and follow the instructions.

3. 1. 1. 5 Optional Finisher Jam

The media is mis-fed in the optional finishing device such as a Stacker or Folder.
Remove the mis-fed paper referencing the User Guide of optional device.

3. 1. 2 Others

3. 1. 2. 1 Deck is open

This message is displayed when the Roll Deck is opened.

Reopen and then close it firmly.

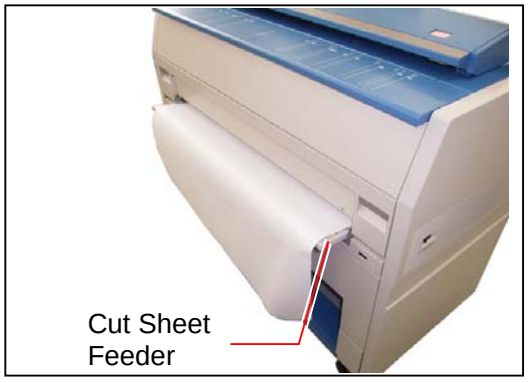
3. 1. 2. 2 Optional Finisher Jam

The media is mis-fed in the optional finishing device such as a Stacker or Folder.
Remove the mis-fed paper referencing the User Guide of optional device.

3. 1. 2. 3 Cut Sheet / Manual Set NG

This message is indicated when cut sheet media has been set before the system is turned on.

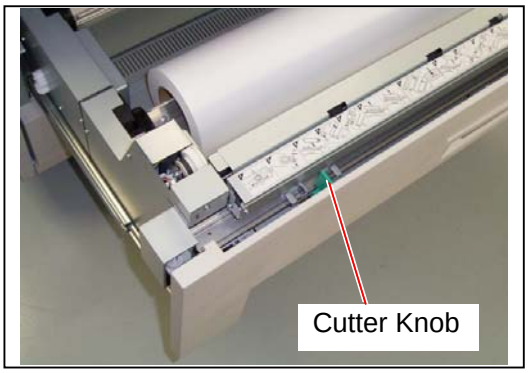
Remove media from the Cut Sheet Feeder.



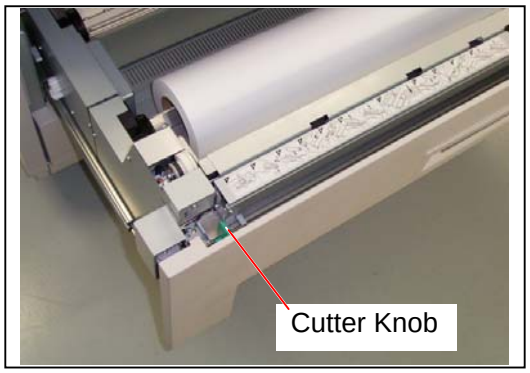
3. 1. 2. 4 Cutter Set NG

This message is indicated when the Cutter Knob is not in the correct position.
Open the Roll Deck, and then slide the Cutter Knob fully to the left or right until it stops.

Not correct (Not at the end)

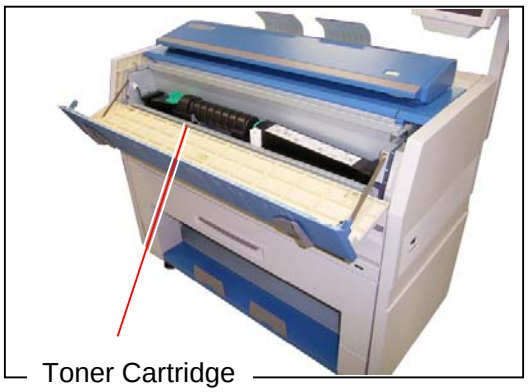


Correct (at the end)



3. 1. 2. 5 Toner Empty

This message is indicated when the Toner Cartridge is empty with the toner.
Replace the Toner Cartridge referencing
[2. 4 Replacement of Toner Cartridge]



3. 1. 2. 6 Paper Empty

This message is indicated when the roll paper is empty.
Replace media referencing
[2. 3 Replacement of Roll Paper].

3. 1. 2. 7 The door opened during printing

This message is indicated when the Roll Deck is opened for some reason in the middle of printing.

Close the Roll Deck.

The paper usually will be mis-fed inside the machine, please remove it.

3. 2 Call Service Errors

If the machine has the fatal error you will note one of the following Error Codes on the Technical LCD panel. It is impossible for the user to resolve these errors.

PLEASE CONTACT YOUR KIP AUTHERIZED SERVICE PERSONNEL TO RESOLVE THESE ERRORS.

Code	Error
E - 000	Fuser Low Temp
E - 001	Fuser Over Temp
E - 002	Fuser Low Temp
E - 003	Temp Not Rise
E - 010	Motor1 Error
E - 011	Motor2 Error
E - 012	Motor3 Error
E - 020	Counter Error
E - 031	1st Error
E - 032	AC Error
E - 033	Tr Error
E - 034	Bias Error
E - 040	Cutter Error
E - 050	FPGA Error
E - 070	Dev Error

If any of the above errors is displayed:

1. Turn off the printer, wait approximately one minute, and turn the printer on again.
2. If the same error code is displayed, turn off the printer, and then unplug the printer from the wall outlet.
3. Contact your Authorized KIP Service Company.

Section 2

Copy Mode

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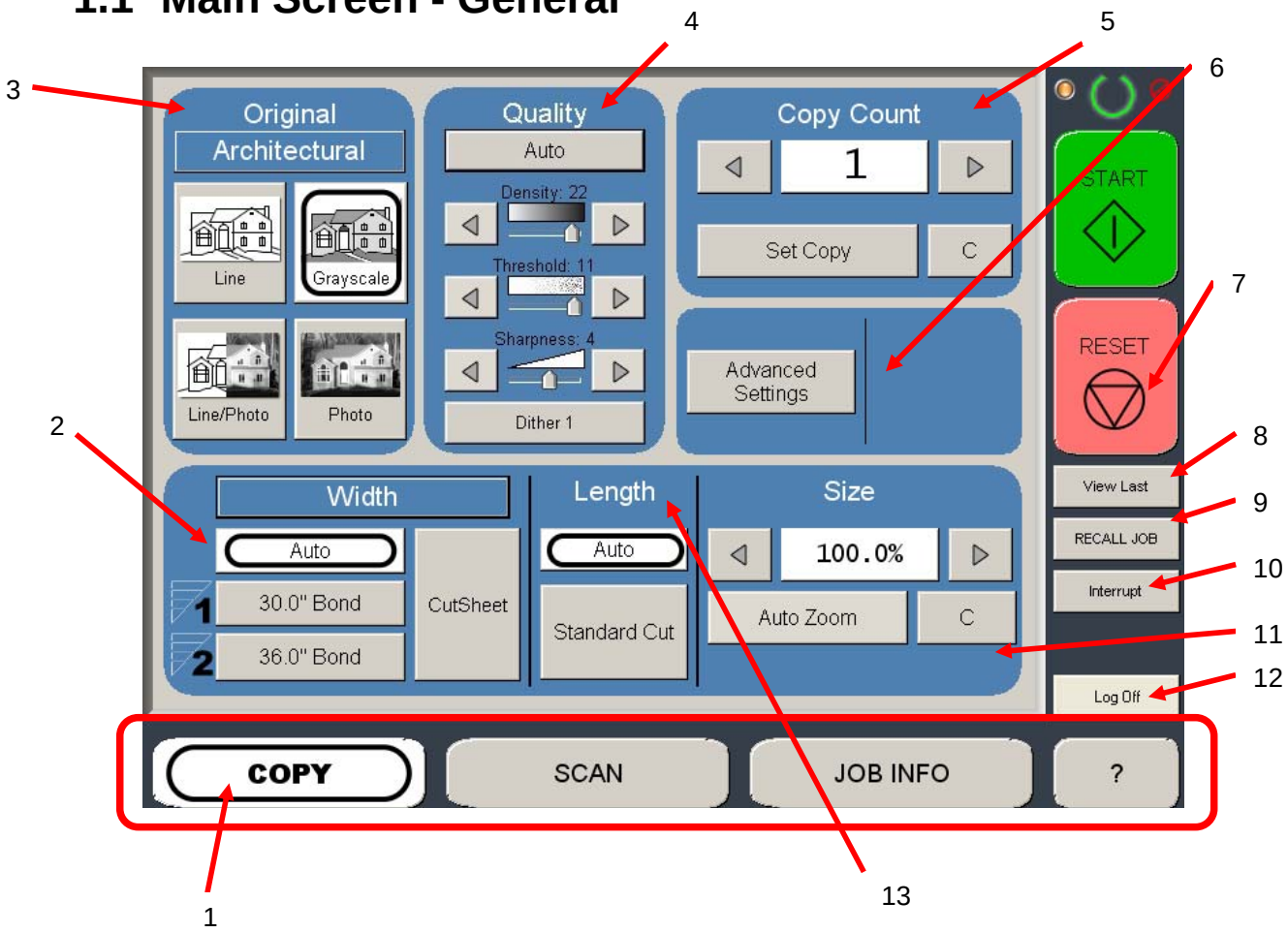
1. 0 Copy Mode

1.1 Main Screen - General



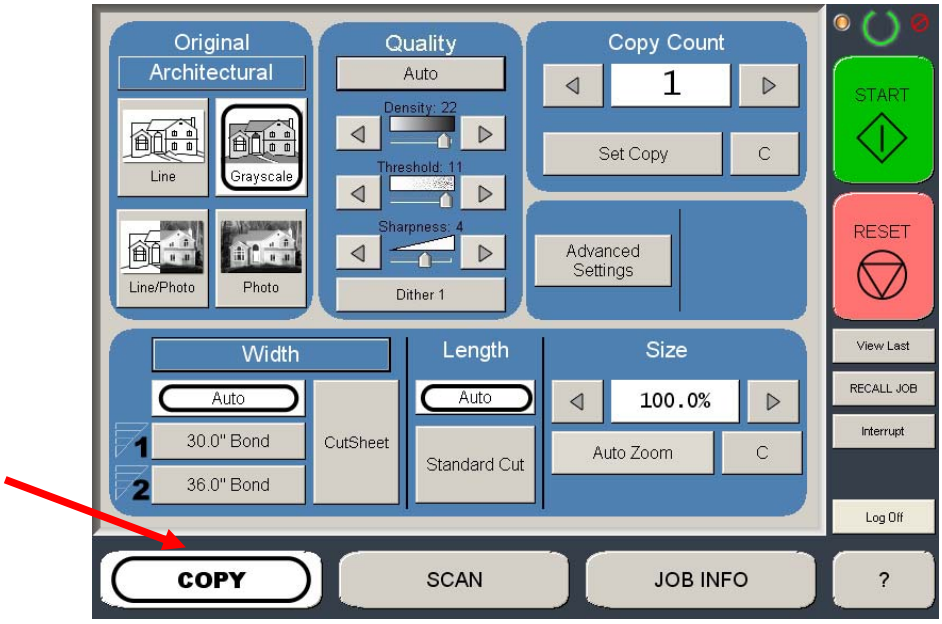
No.	Name	Function
1	Mode	Selects the “Mode” of the system. (Copy Mode for this screen shown)
2	Media	Displays Media type and quantity installed. Includes Cut Sheet Functions and Media Selection
3	Original Type	User Selects the type of original to copy. Also select Eng/Arch Modes here.
4	Quality	Select Auto or Manual Image adjustments
5	Copy Count	Select the quantity of prints and sets designation.
6	Advanced Settings	Invert , mirror, stamps, folds, and edge adjustments preformed / displayed in this button (sub screen)
7	Reset	Clears the image buffer and resets the system to default settings.
8	View Last	The last scan / job can be viewed
9	Recall Job	Images can be recalled from the last job for reprint. Please note that a time limit may be set to recall or this feature may be disabled by the administrator to prevent any unauthorized copies.
10	Interrupt	Pauses the network print jobs to print any copy jobs
11	Zoom	Manual and automatic zoom ratios set.
12	Log Off	Displayed if Accounting enabled to Log off current user
13	Length	Sets the length of the copy

1.2 Simple Copying

To copy, please follow these basic steps. The following chapters have details on adjustments and parameters that the user can change to modify the copies as required.

1.2.1 Select Copy Mode

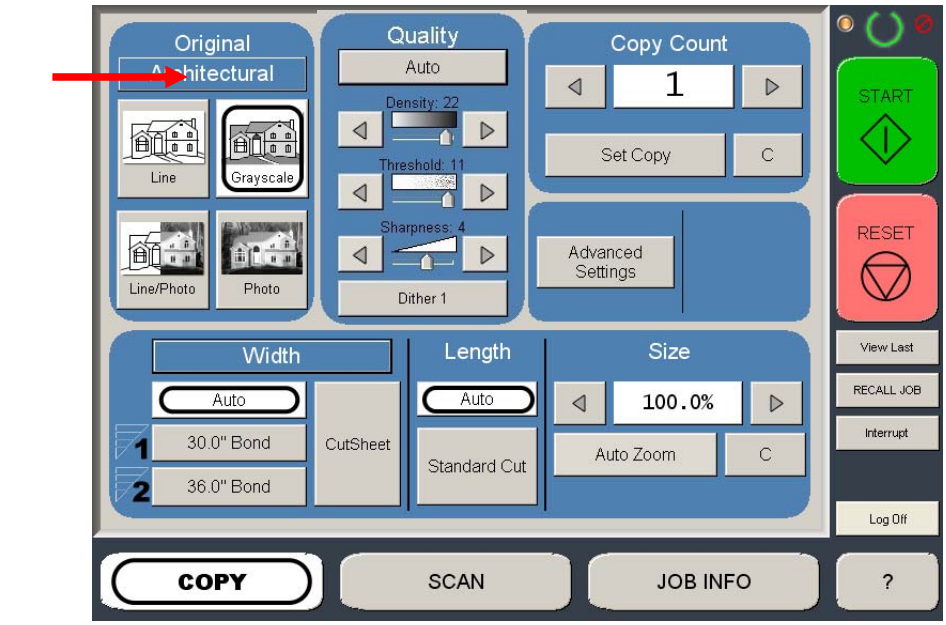
On the lower region of the Operator Panel select “COPY”.



1.2.2 Select Size Mode

Select whether the document is an engineering or architectural size document. This will allow the automatic width detection to function.

Engineering widths = 34, 22, 17, 11, and 8.5 inches
Architecture widths = 36, 30, 24, 18, 12, and 9 inches

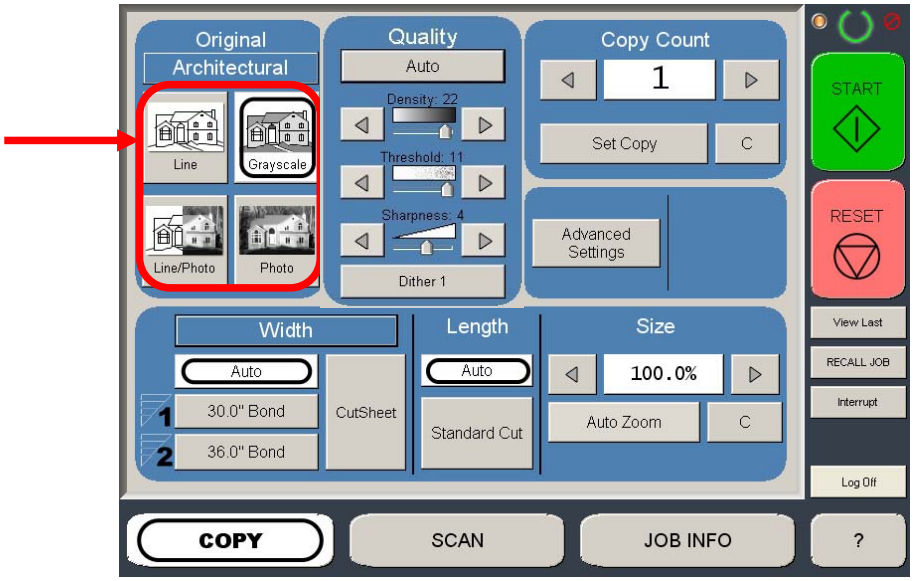


1.2.3 Select Original Image Type

Set the original image type you will copy. The selections are:

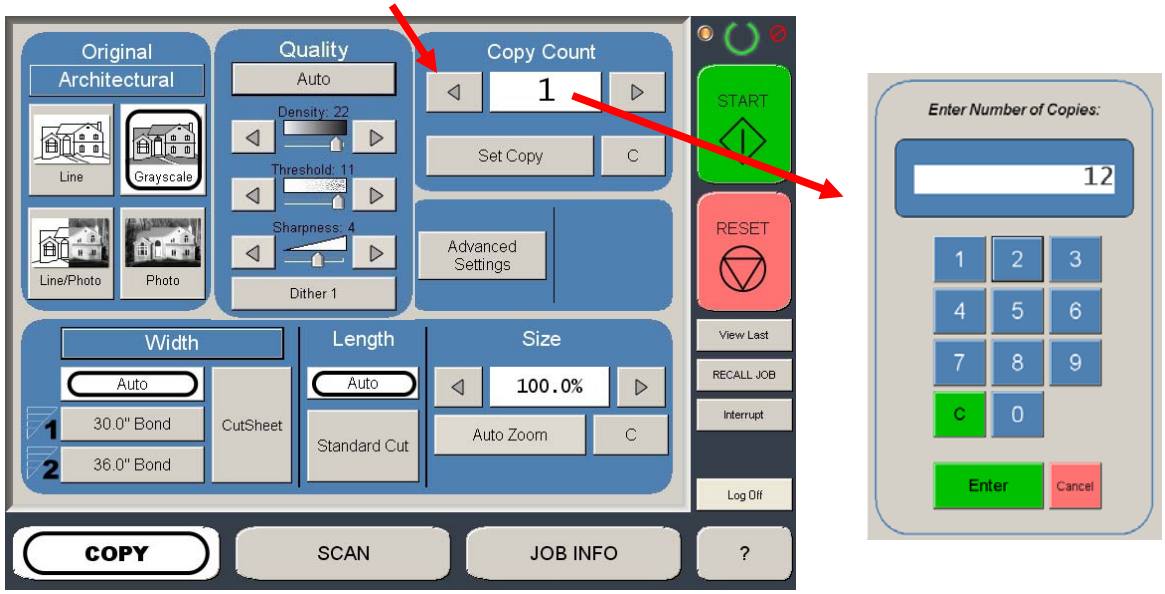
Line	- used for simple line documents
Line / Photo	- used for a combination of lines & photos documents
Greyscale	- used for a combination of lines & areas of shade (CAD) originals
Photo	- used for photographic originals

This will allow automatic image quality adjustments for the scan.



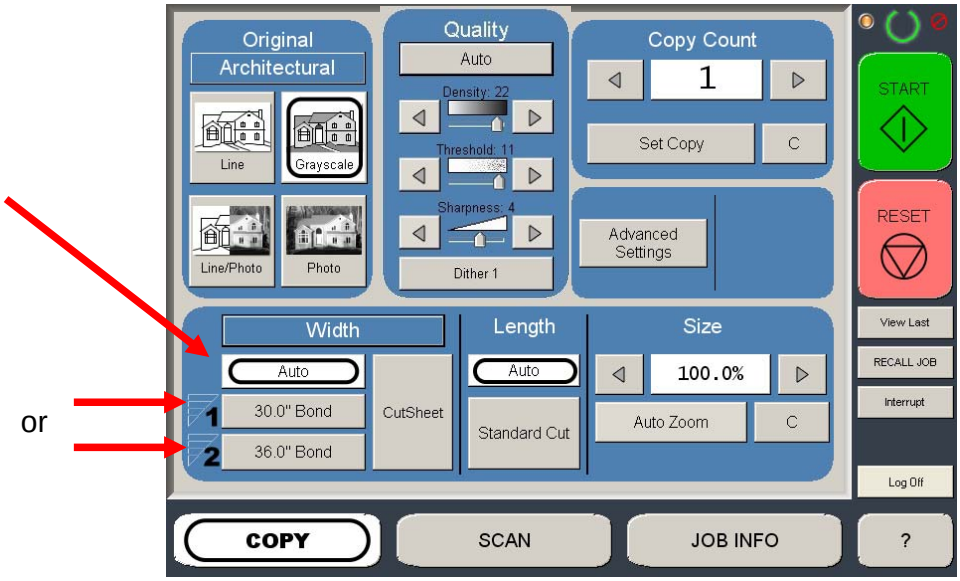
1.2.4 Copy Count

Press the arrow buttons to scroll through the number of copies required **or** press on the actual number to set the quantity with the number pad.



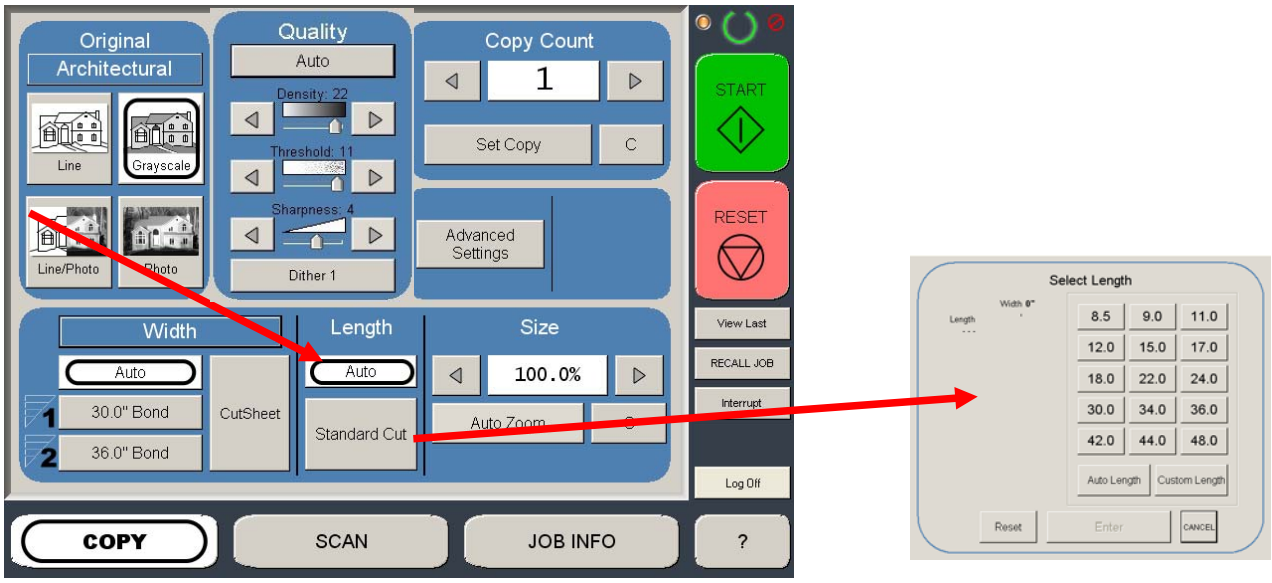
1.2.5 Media

Selects automatic (for best possible fit) or manual roll selection.



1.2.6 Length

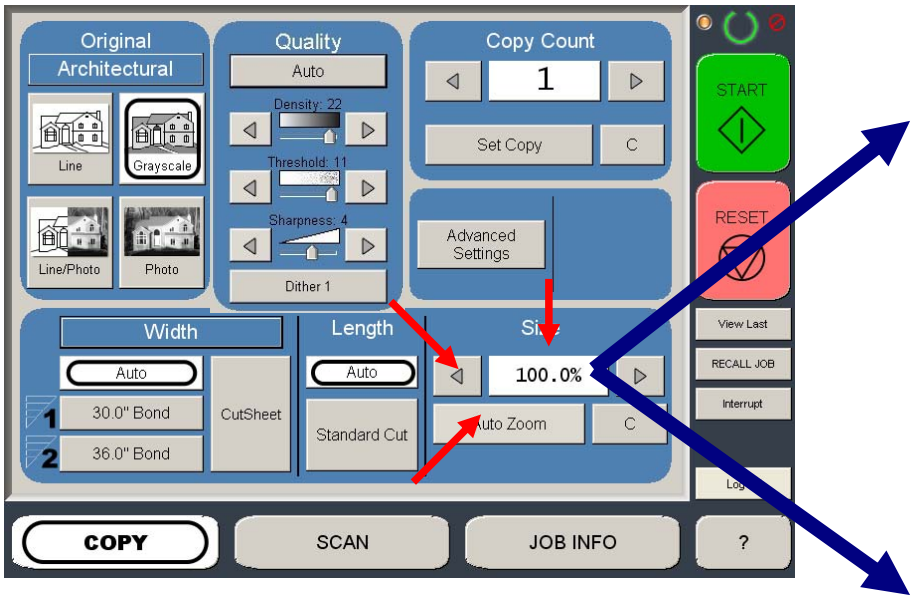
Select Auto for automatic cut length (to the length of the original) or Standard Cut for a manual length. (a number pad will request the desired length to be entered)

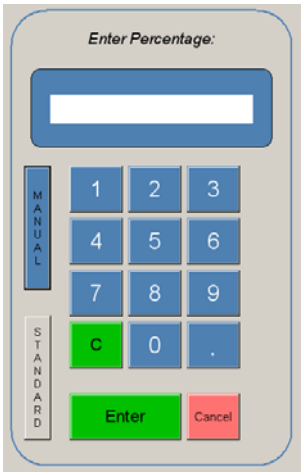


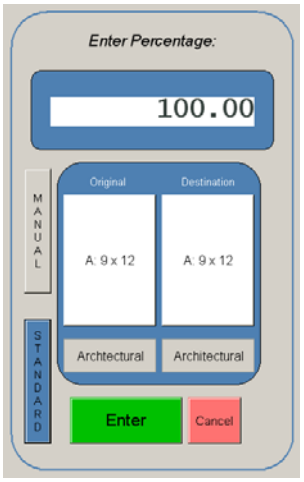
1.2.7 Size

Select

a) AutoZoom to automatically zoom to the width of paper or
b) press the arrow keys to scroll through presets ratios or
c) press on the Zoom number to enter a ratio on the key pad







1.2.8 Insert Original

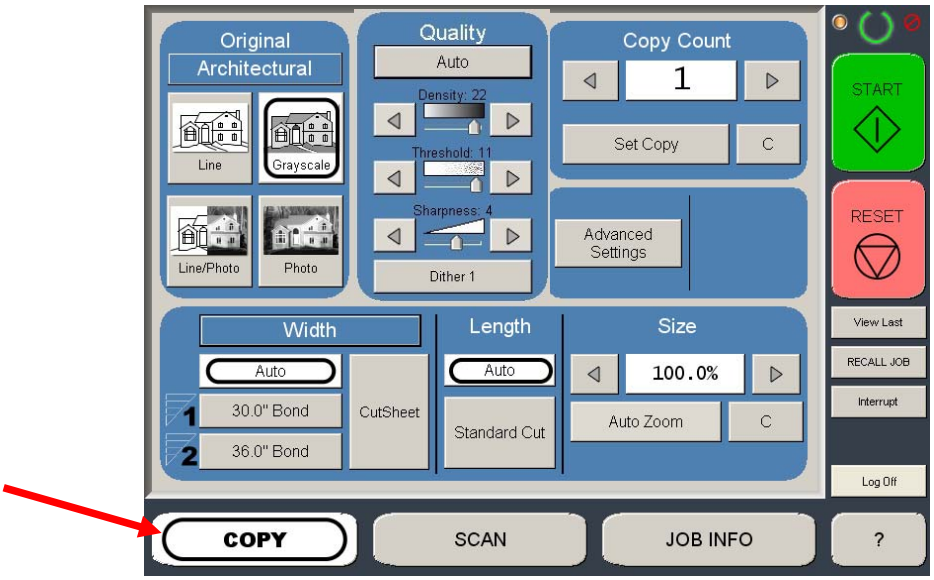
Using the guides on the feed table, center the original face up and insert the document. Continue to push forward until the scanner accepts the document.

The original will automatically commence to copy. While this occurs the image will be displayed on the Operator Panel for your reference.

2. 0 Operation Details

1.3 Main Screen

The main Copy screen is selected with the Copy Button.



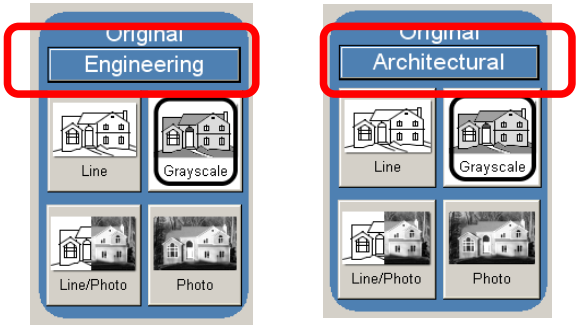
It contains all user functions for copying. The following pages details the functions and settings of each button and sub screens that can be used to adjust the copy mode parameters to achieve the required result.

1.4 Original

This region allows the setting of the Size Mode (Engineering or Architectural) and the original image type.

1.4.1 Original Size Mode

This button is used to select the Size Mode of Engineering or Architectural .



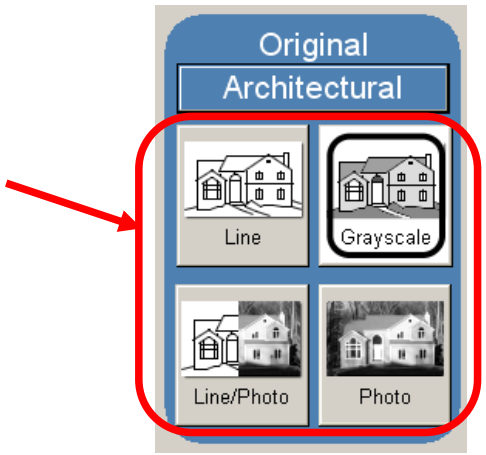
This will allow the automatic width detection system to determine the image width when an original is placed in the scanner.

Engineering widths = 34, 22, 17, 11, and 8.5 inches
Architectural widths = 36, 30, 24, 18, 12, and 9 inches

1.4.2 Original Type

There is a selection of four different predetermined original types. The selections are:

a) Line - used for simple line documents
b) Line / Photo - used for a combination of lines & photos documents
c) Greyscale - used for a combination of lines & areas of shade (CAD) originals
d) Photo - used for photographic originals



Press the desired original setting from one of the four diagrams. This will allow automatic image quality adjustments for the next scan. Please note that the selection will be highlighted with a “black circle” and the icon will become white, as in the above example “Greyscale”

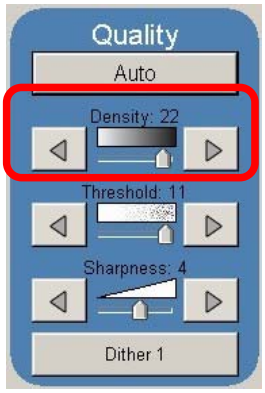
1.5 Quality

This region is used to change the image quality settings from the automatic setting.

1.5.1 Automatic

For most copies, “Auto” should be selected. This will allow the copier to automatically determine the best image settings without any user intervention (please also note “Original” in 2.2)

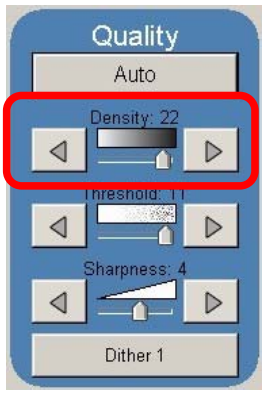
1.5.2 Threshold



To override the “Automatic” setting, “Threshold” can be adjusted. Deselect “Auto” to enable “Threshold”.

When the arrows are pressed the threshold will be set to a desired level. This will suppress or enhance the lines and images on the original.

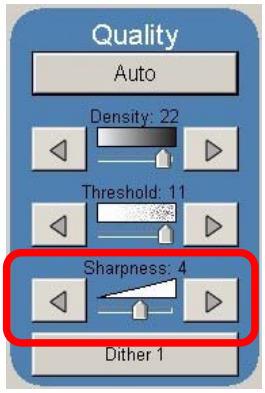
1.5.3 Density



To override the “Automatic” setting, “Density” can be adjusted. Deselect “Auto” to enable “Density”.

When the arrows are pressed the background density will be set to a desired level. This will suppress or enhance the background of the original.

1.5.4 Sharpness

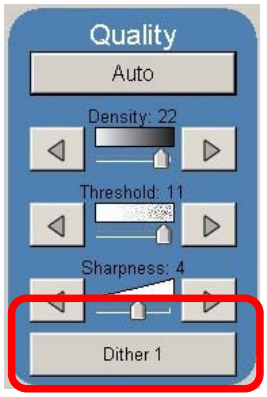


To override the “Automatic” setting, “Sharpness” can be adjusted. Deselect “Auto” to enable “Sharpness”.

When the arrows are pressed the line sharpness will be increased to remove rough lines or decreased when photos are copies to allow smoother graduations.

1.5.5 Dither

To override the “Automatic” setting, “Dither” can be adjusted. Deselect “Auto” to enable “Dither”.



By pressing the dither button,

a) None
b) Fine
c) Medium or
d) Course

dither of the image can occur. This will change how the dots are arranged to create the final image of the copy. For fine lines a “Course” dither pattern may be desired. For Photos “None” may be desired.

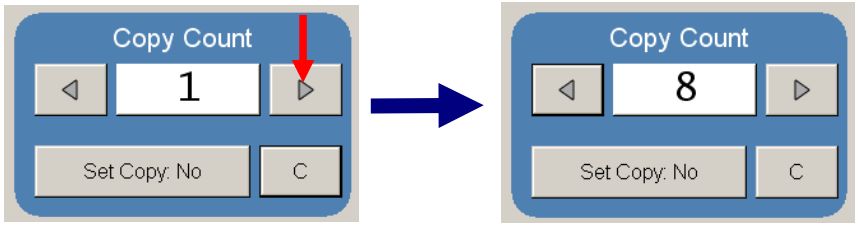
1.6 Copy Count

In this region the number of copies, and set copy / collation can be set.

1.6.1 Arrows - Count Increase / Decrease

Use the arrows to increase or decrease the total numbers of copies desired by one with each press of the button.

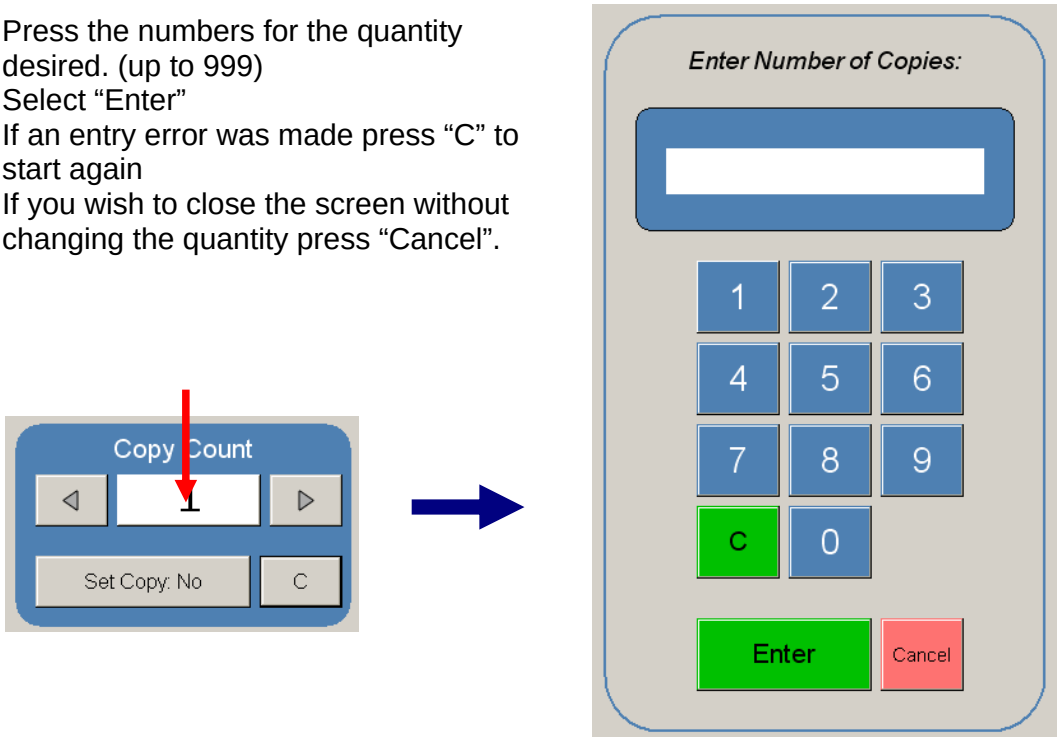
In this example the arrow was press **seven times** to reach “8 copies”.



1.6.2 Number Pad - Count Increase / Decrease

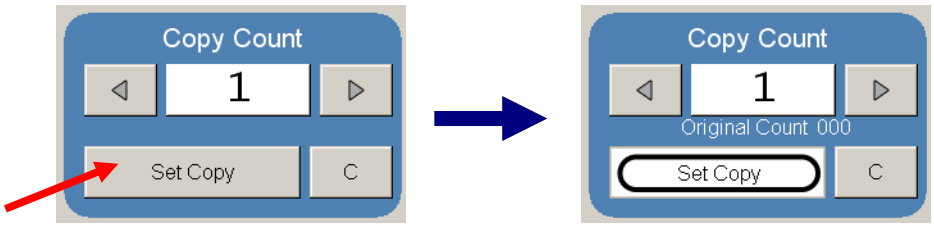
Press the ”number of copies” value (which is a button) to set the desired number of copies using a number pad. This will allow the quicker entry of the desired quantity if a larger number is desired.

a) Press the numbers for the quantity desired. (up to 999)
b) Select “Enter”
c) If an entry error was made press “C” to start again
d) If you wish to close the screen without changing the quantity press “Cancel”.

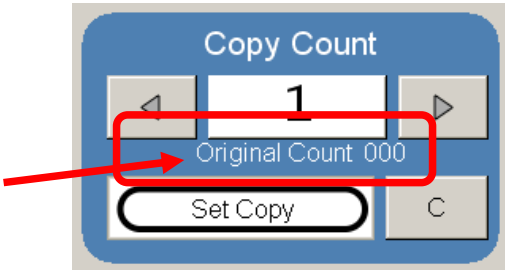


1.6.3 Set Copy

a) To enable collated sets or copy sets to be printed select the Set Copy button.



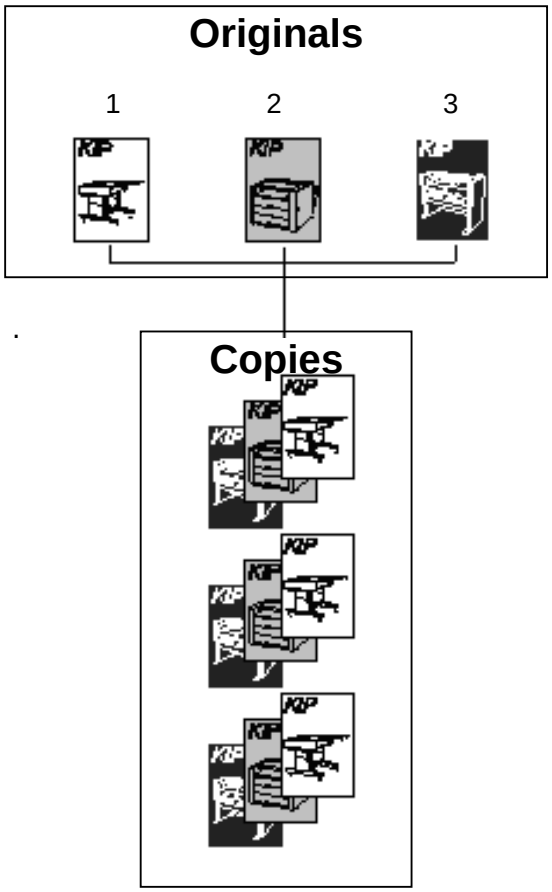
b) As originals are scanned , the total number in the set are displayed.



c) Copying will **not commence** until the set is closed. To close a set, press the start button. The set with the total number of copies will be printed.

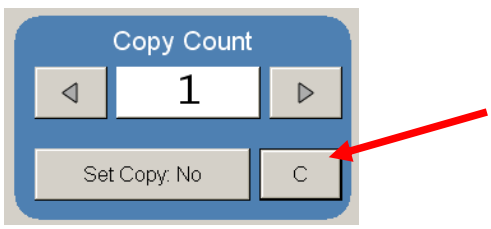
An example of Set Copy:

3 originals with 3 sets or copies



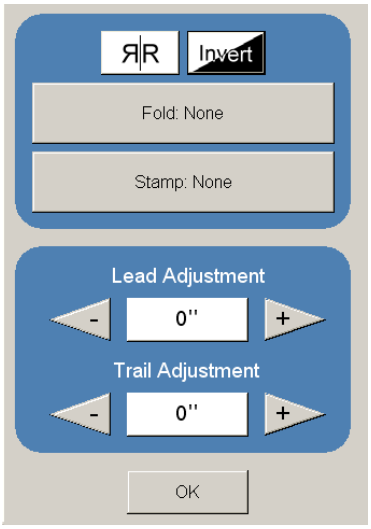
1.6.4 Clear

Press the clear button to reset the quantity to “1”.



1.7 Advanced Settings

The Advanced Setting button contains the additional parameters on a sub screen:



a) Mirror

b) Invert

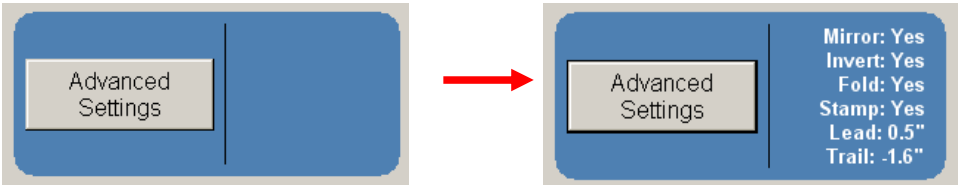
c) Fold (if optional device connected)

d) Stamp (Water Mark)

e) Lead Edge Adjustment

f) Trail Edge Adjustment

When any of the adjustments / selections are selected, the selections will now be displayed on the main Copy screen



1.7.1 Mirror

Select this button to “mirror” a scan. This can be utilized on originals that may have the actual image on the reverse side such as older “sepia” or “film” documents.

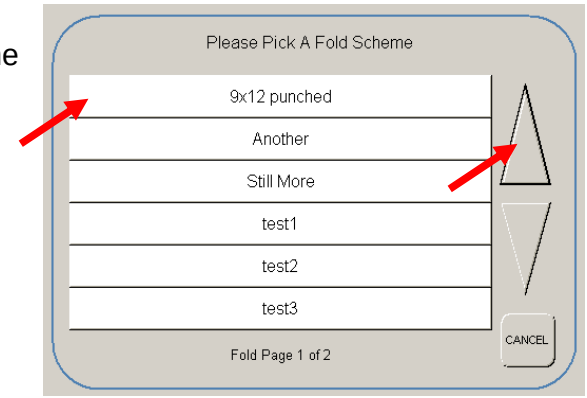
1.7.2 Invert

Select this button to change a region of white to black and visa versa of a scanned document. This is normally used for “negative” documents or “blue prints”.

1.7.3 Fold

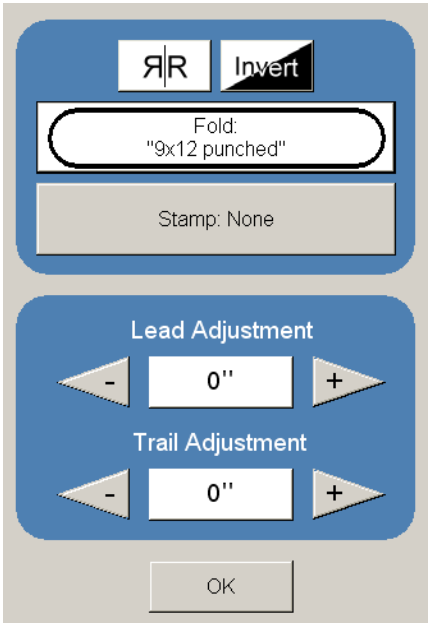
Select “Fold” to display another sub screen. This will allow the selection of a “Fold Pattern” to be applied to the copy.

a) use the Arrow buttons to scroll through the available folds and then select the fold from the list.



b) The fold selected will be displayed in the button.

c) Select OK



NOTE

The list of "Folds" are loaded into Copy Mode by the system administrator or key operator. They can not be altered or modified in any manner on the KIP 3000 Operator Panel.

Please contact these persons for any additional stamps that may be required.

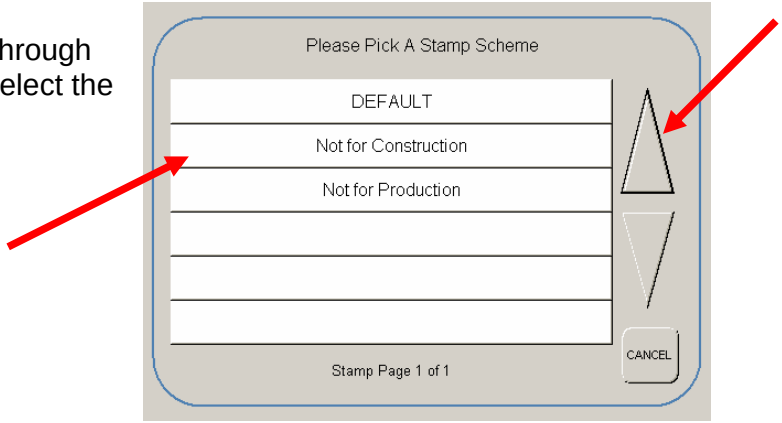
Please see "KIP Request" for these functions.

An optional KIP Folder must be purchased to enable these functions.

1.7.4 Stamp

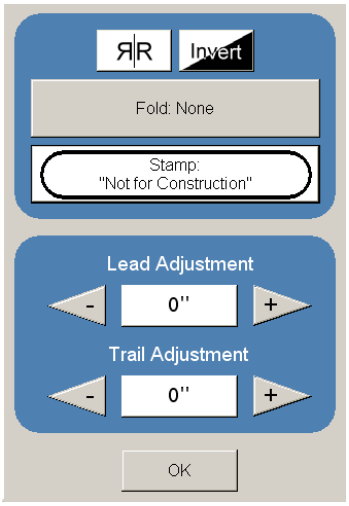
Select "Stamp" to display another sub screen. This will allow the selection of a "Stamp" or "Water Mark" to be placed on the scanned image. It will be imbedded into the image.

a) use the Arrow buttons to scroll through the available stamps and then select the stamp from the list.



b) The Stamp button will now display the stamp selected.

c) Select OK



NOTE

The list of "Stamps" are loaded into Copy Mode by the system administrator or key operator. They can not be altered or modified in any manner on the KIP 3000 Operator Panel.

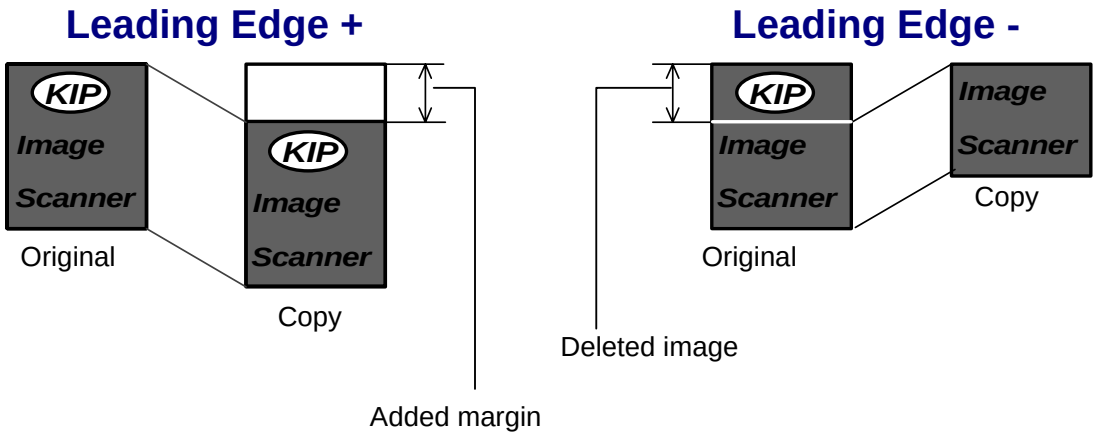
Please contact these persons for any additional stamps that may be required.

Please see "KIP Request" for these functions.

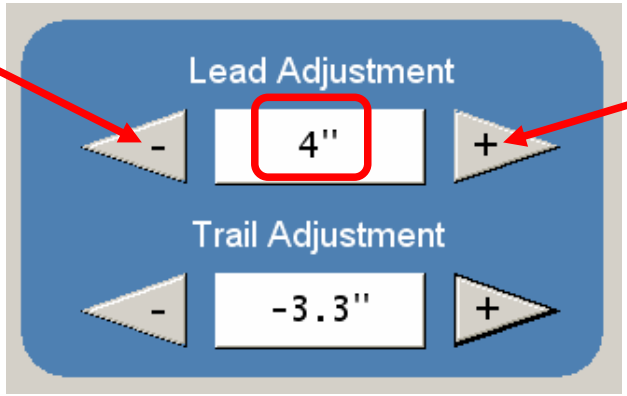
1.7.5 Leading Edge Adjustment

The leading edge of a copy can be altered. (+/- 4")

a) additional void area can be placed on the lead edge of a scan or
b) image can be removed (such as a binding strip or a file hanger)



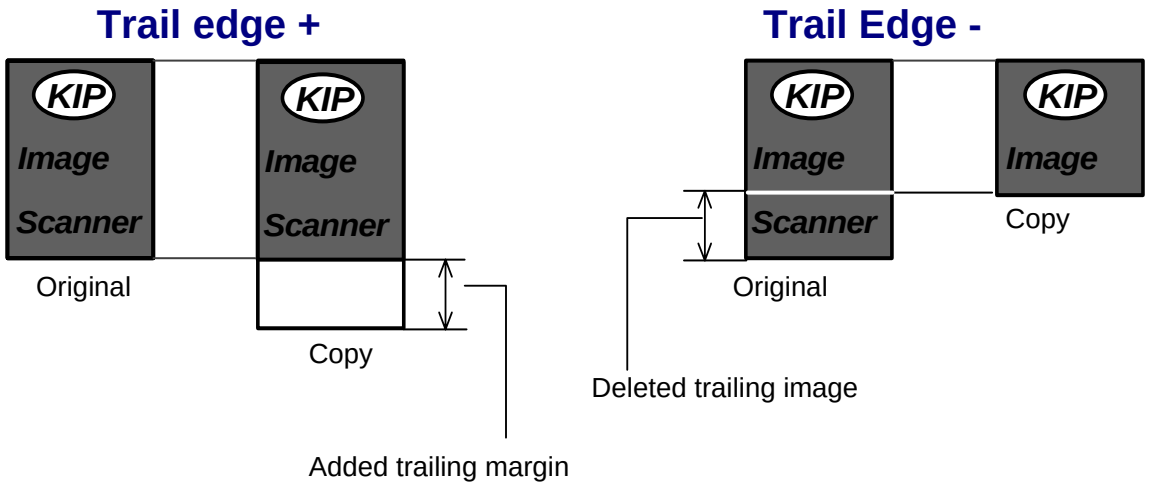
To adjust the Leading Edge, use the arrows to denote the quantity you wish to add or remove.

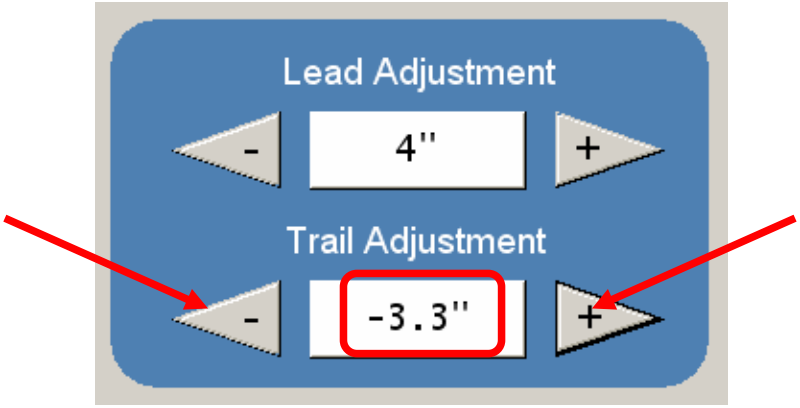


1.7.6 Trailing Edge Adjustment

The trailing edge of each copy can be altered. (+/- 4")

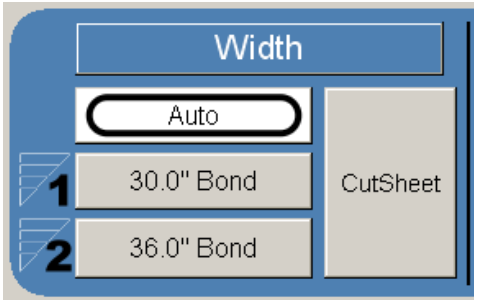
c) additional void area can be placed on the bottom of a copy or
d) image can be removed (such as a binding strip or a file hanger)





1.8 Width

This region allows automatic or manual roll selection, roll size display, cut sheet media, the roll amount remaining and to set the installed media type and width.



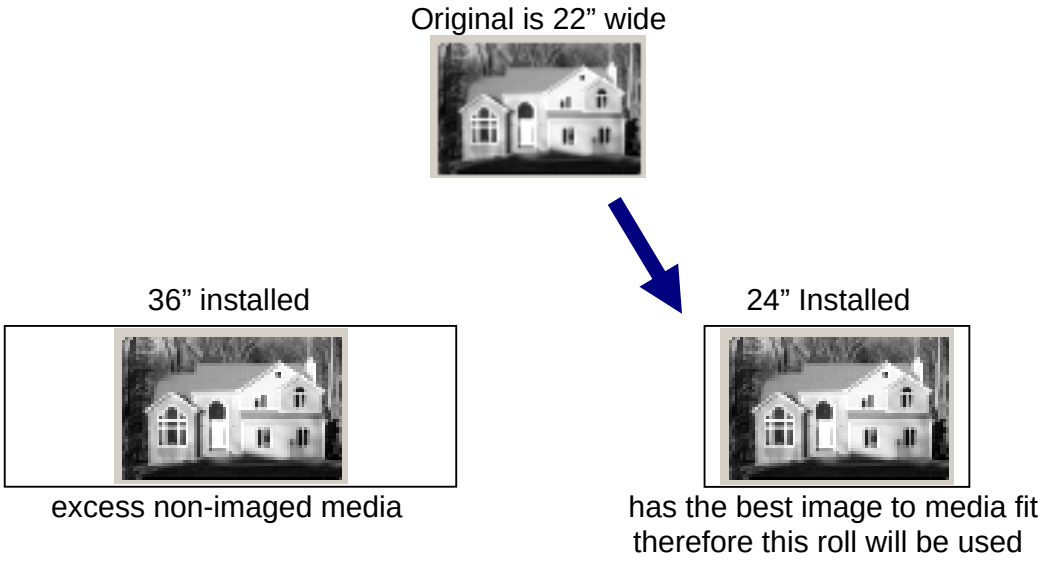
1.8.1 Auto

This default setting allows the copier to automatically select the best media roll width to print the image onto. It selects the roll noting the amount of image area to prevent surplus media consumption. (applies to the option - two roll model)

Example:

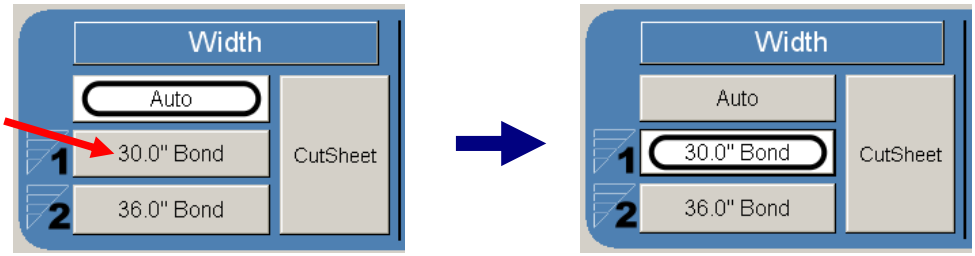
22” original

36” and 24” bond media installed


Original is 22” wide
36” installed
24” Installed
excess non-imaged media
has the best image to media fit
therefore this roll will be used

1.8.2 Manual Roll Selection

To select a roll deck. press the roll deck desired. Note that the roll information is displayed in the roll deck button.



1.8.3 Enabling Cutsheet

The KIP 3000 is equipped with a cut sheet feeder that can be enabled in the configuration menu of the KIP 3000 user interface.

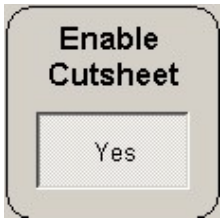
This can be accomplished by following these steps

1. Select the (?) button in the bottom left corner of the user interface.

2. Select the Configuration button from the Info/Help screen

3. Using the Left/Right arrows located at the bottom of the page scroll to page three (3).

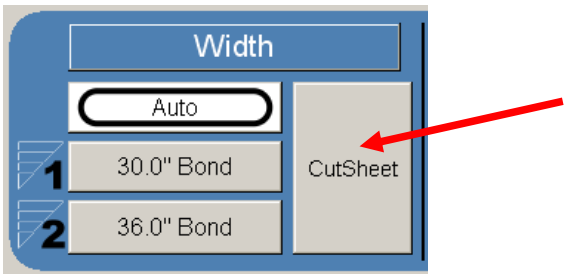
4. From the Enable Cut Sheet “Yes” button.



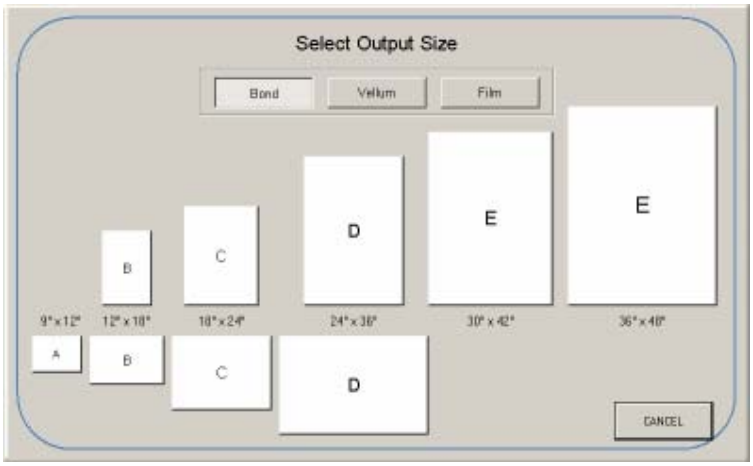
1.8.4 Cut Sheet

To copy onto a cut sheet of media:

a) Select the CUT SHEET button on the main screen.



b) Select the Output Size of the actual cut sheet paper that will be inserted into the Cut Sheet feeder.

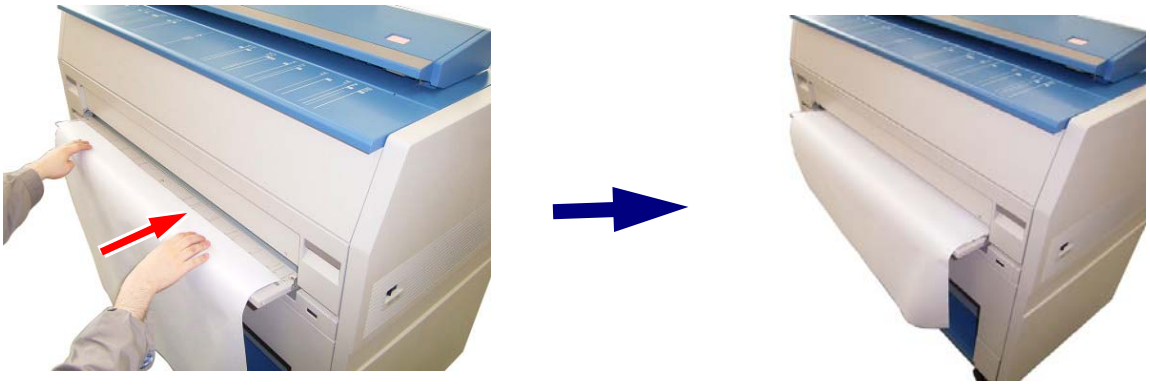


Select desired settings from the main copy screen. Feed your original (s) into the scanner.

c) Open the Cut Sheet Feeder (1) and WAIT until prompted by the UI of the KIP 3000 to insert the Cut Sheet media.

1

d) There are size markings on the table.
Line up the original cut sheet on the feed table with the associated size marks. When the paper is inserted far enough, the machine automatically sets the paper at the proper position.



1.8.5 Copying to Multiple Cutsheets

1. Follow 1 through of the steps above (1.8.4)
2. After a short period of time the Printer will beep notifying the user to insert the cutsheet into the Cutsheet feeder, the Job Info button will also be flashing.
3. Once the cutsheet has been printed there will be a short pause and the printer will start to beep again. Insert the next cutsheet into the printer
4. Continue for multiples.

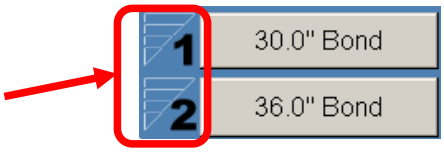
Note:
Only one cutsheet may be fed at a time and will time out after 3 minutes if no paper is inserted.

Note:
DO NOT insert the cut sheet media into the feeder while printing from a roll deck, as this may cause the printer to jam.

1.8.6 Media Remaining

The installed roll information is displayed in the button of the particular roll deck. Beside each deck is a volume of media that currently is left on the roll of media.

Indicators will display full, 3/4 ,1/2, 1/4 or empty

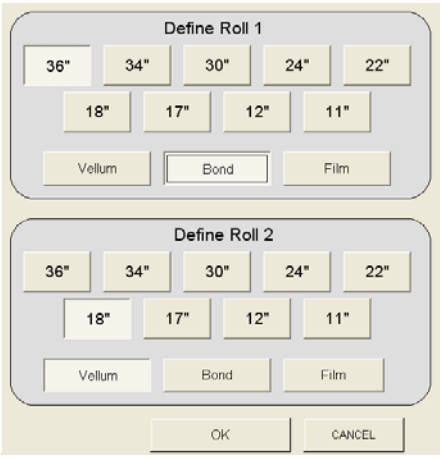


1.8.7 Installing Roll Media

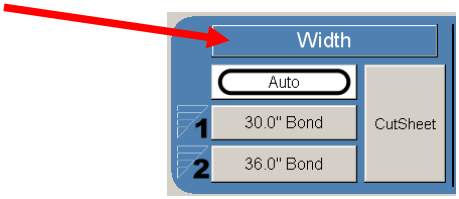
When media is replaced or installed, a screen will automatically appear. This screen allows the setting of the media type and width. Please see the BASIC PRINTER FUNCTION (Section 1) for the procedures to replace a roll of media.

a) if no changes are required, press cancel
b) if changes are required from the currently settings displayed, select the correct media type and size for each deck and press OK.

This screen shows 36” bond for deck one and 18” Vellum for deck two



Media types settings noted above can be changed at any time by pressing the Media button on the main Copy Screen.

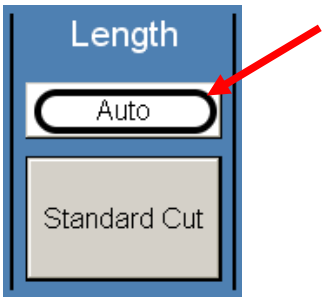


1.9 Length

Two methods determine the length of the copy in the KIP 3000. These two methods are Auto (may also be known as Syncro Cut or Automatic Cut) and Standard Cut.

1.9.1 Auto

This mode allows the media length to be determined by the original length. This also takes into consideration any enlargements or reductions that are applied to an image as well, to prevent excess media without image.



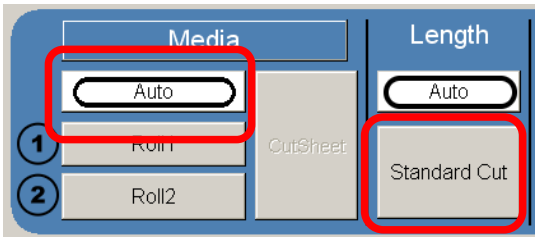
> **NOTE**
> Auto Length works in conjunction with Auto Roll noted in 2.6.1.

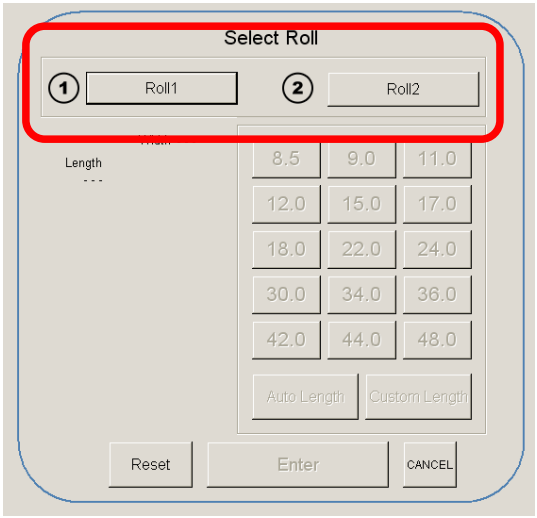
1.9.2 Standard

This mode allows the media length to be determined by a standard length or a length set manually by the user with a number pad.

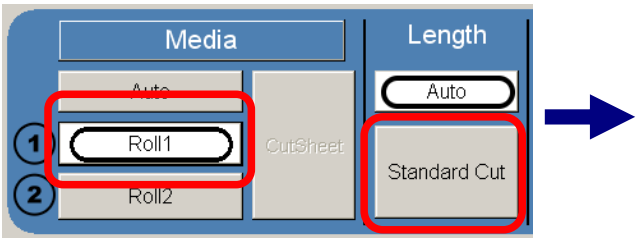
a) select Standard Cut. A sub screen will appear. When Standard is used, the roll must also be determined.

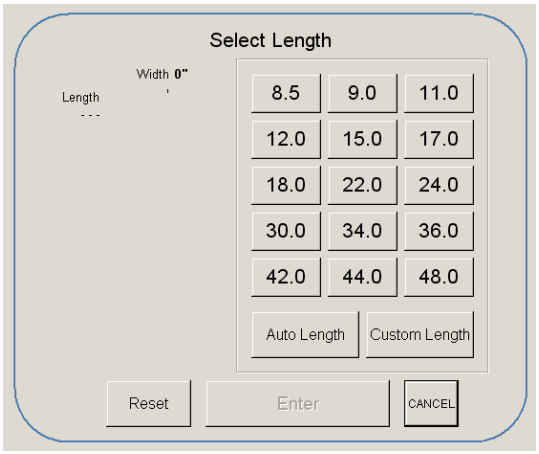
- If Auto Roll is selected in the **Media** region the following screen will appear, prompting the media to be selected. Select the roll.





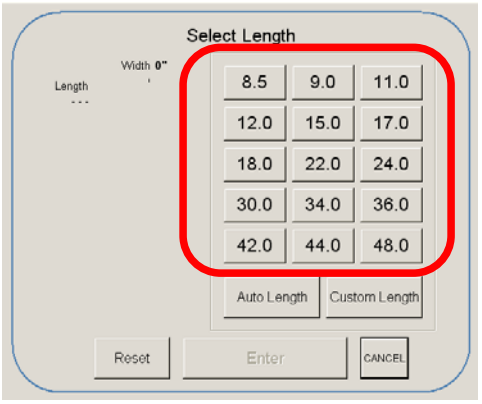
- If a roll is already selected in **Media,** then the following screen appears now only requesting the length.



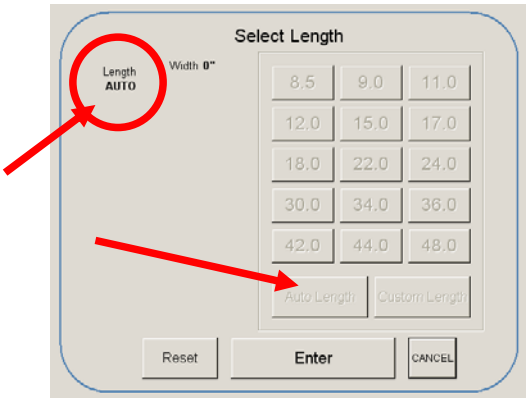


b) Once the roll is determined (if so required) the length can now be set.
   - Standard Length
   - Auto Length
   - Custom Length

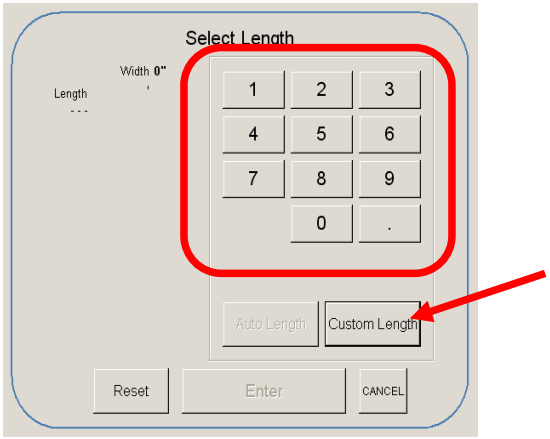
c) **Standard** Length – use an industry standard length. Select the length and press Enter.



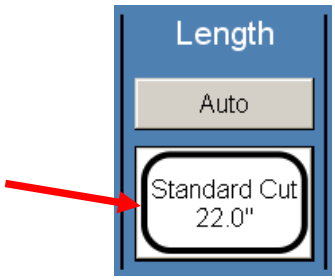
d) **Auto** Length – uses the length of the original to determine the copy length. Select and press Enter



e) **Custom** Length – set the custom length in the key pad and press enter

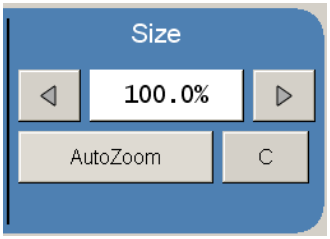


f) the cut length will now be displayed in the main Copy screen in the Standard Cut button.



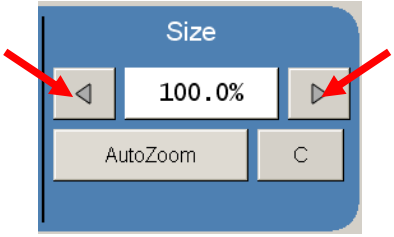
1.10 Size – Zoom

Image size / Zoom can be altered in this region of the KIP 3000 operator panel. This includes automatic zooming, predetermined percentages, or ratio calculations to page size, and simply percentage increments.



1.10.1 Preset Percentages

The KIP 3000 has several predetermined industry standard zoom percentages used for quick access. These can be access with the arrow buttons.

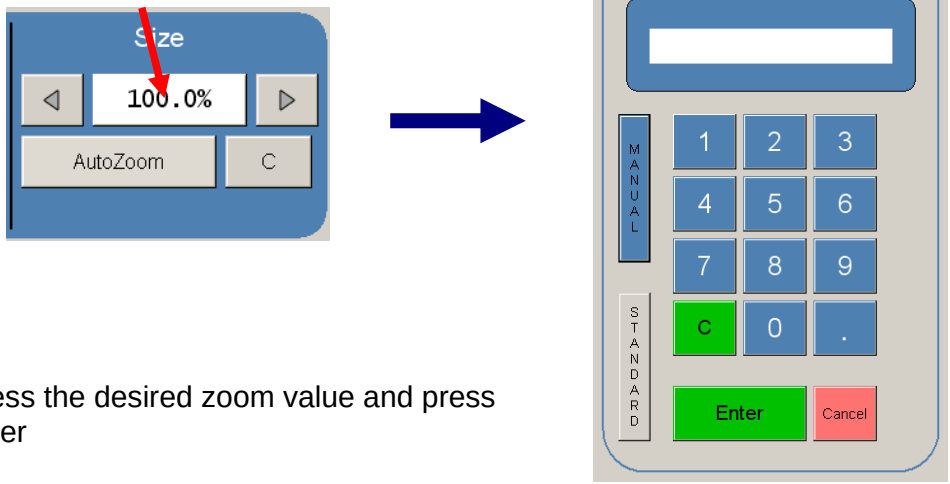


The pre-programmed percentages are:

1.10.2 Percentage Key Pad

To enter a percentage directly into the KIP 3000,

a) press on the Percentage value displayed (the number is a button).
b) This will show a keypad to enter the value. (please note that the button Manual on the side is a default).

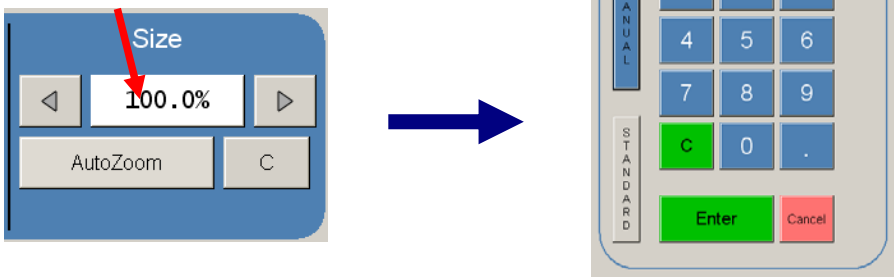


c) Press the desired zoom value and press enter

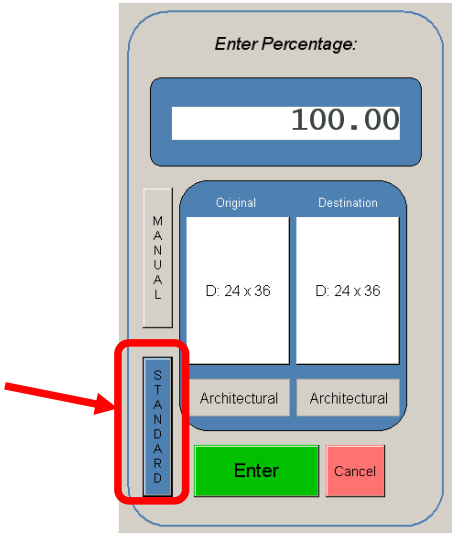
1.10.3 Page Size Zoom

To enter a zoom percentage based on pages sizes into the KIP 3000:

a) press on the Percentage value displayed (the number is a button). This will show a keypad to enter the value.

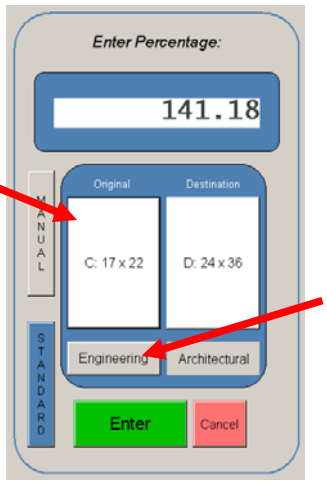


b) Select Standard button.



c) Select the original page size by pressing onto the original page size button.

d) Please note either Engineering or Architectural mode can be utilized by pressing on the button below the original page size.

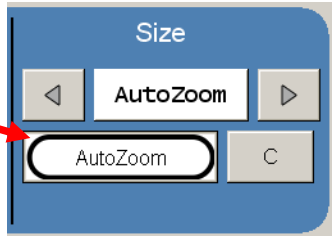


e) Select the desired Copy page size. Again please note either Engineering or Architectural mode can be utilized.

f) Press **Enter** to confirm your selections or **Cancel** to restart.

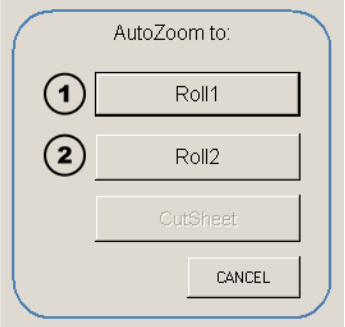
1.10.4 Auto Zoom

Press the Auto Zoom bottom to enable this function. Auto Zoom features works in conjunction with the roll selected to scale the image to the selected roll width.



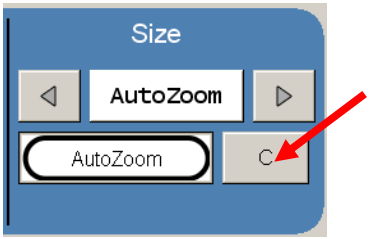
a) if a roll is selected in the Media region the zoom from the original will automatically fit the width of the selected roll.

b) If a roll is not selected (Auto is currently selected), roll selection is requested prior to the function of Auto Zoom. If cut sheet is used then it will use the values set in the Cut Sheet button in Media.



1.10.5 Clear

To reset the percentage value to default, press the "C" button.



1.11 Start

The copier is always set to "Auto Start". That is when an originally is inserted into the scanner it will start without other user intervention.

The start button is used when a job is recalled. The start button will "start" the job if depressed after 'Recall". (the name will change to "Re-print")

1.12 View Last

The last documented scanned to be copied be viewed.

1.13 Recall Job

The last set copy or single copy can be recalled to be resized or to switch media type. After a job is recalled, make the required changes and then press "Start"

1.14 Stop / Reset

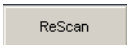
This button has two functions.

1) Press the Stop button on the Operator Panel to stop the current scan. After the original has been stopped, press the Stop button again to eject the document from the scanner or open the scanner lid to remove the original.
2) Press the Reset button to restore the "default settings" in Copy Mode. Some of the default settings are determined in the Information / Help Screen of the KIP 3000 (see Copy Mode Configurations chapter)

1.15 Interrupt

Network printing can be interrupted between collated sets of documents. Press the Interrupt button to pause the queue and allow a more urgent file to be copied. For example if a file is needed right away and there is a job in the queue that has 20 sheets and 10 sets are being printed this can be interrupted when one of the sets finishes printing. After the urgent file is printed the sets will continue to print.

1.16 Rescan



This button only appears when “Set Copy” mode in enabled. It allows a user to rescan an original in a set as required. This may be due to skew or incorrect image quality settings of the previous scan.

1.17 Log Off

This button only appears when “Accounting” functions are enabled. This allows the current user to cease all KIP3000 functions after the user has preformed the required copies.(after the code was entered to enable Coping)

Please note that the KIP 3000 also will automatically logoff from the current user after 180 seconds of no copy function activities by a user.

Section 3

Scan Mode

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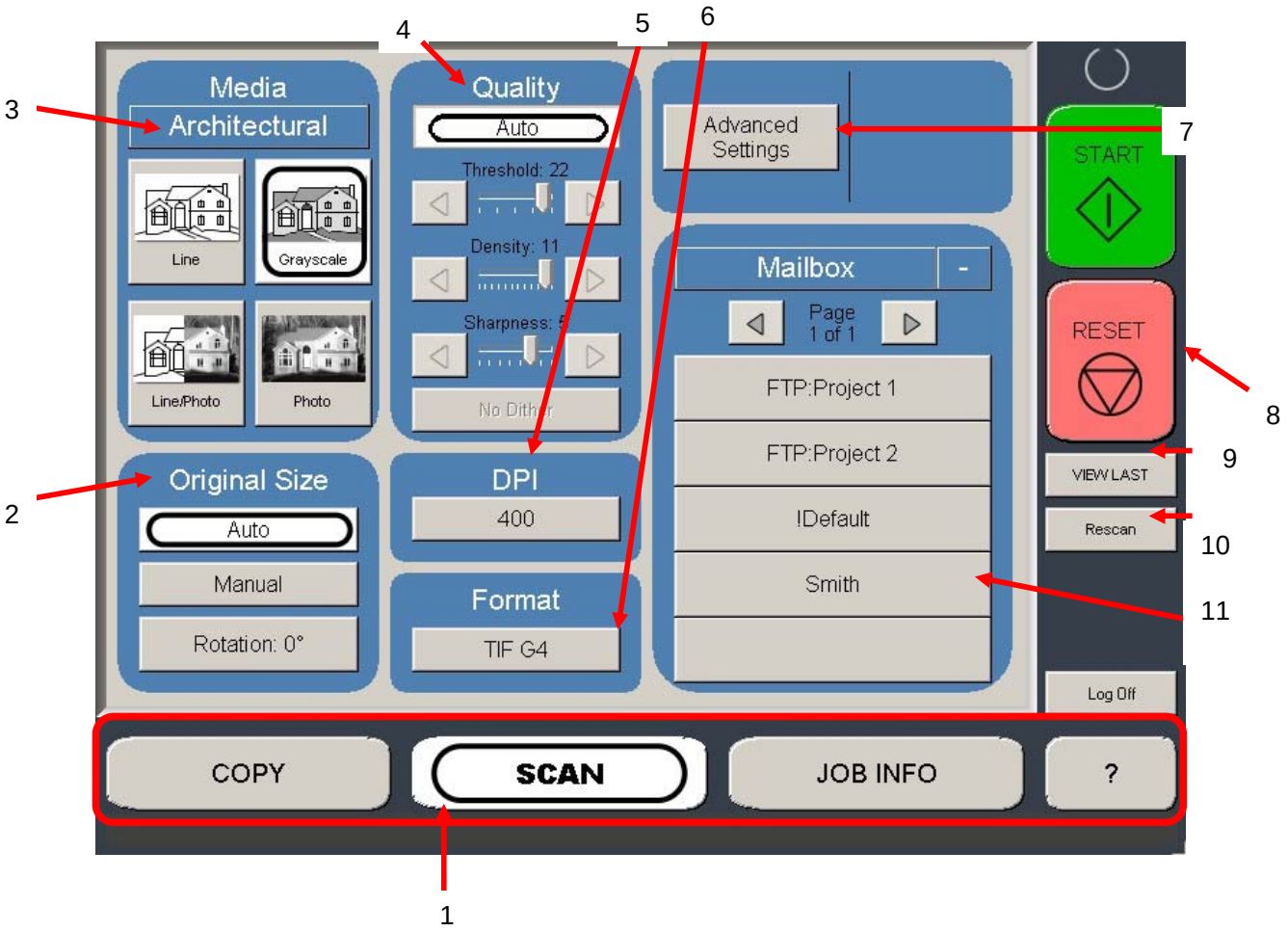
1. 0 Scan Mode

1.1 Main Screen



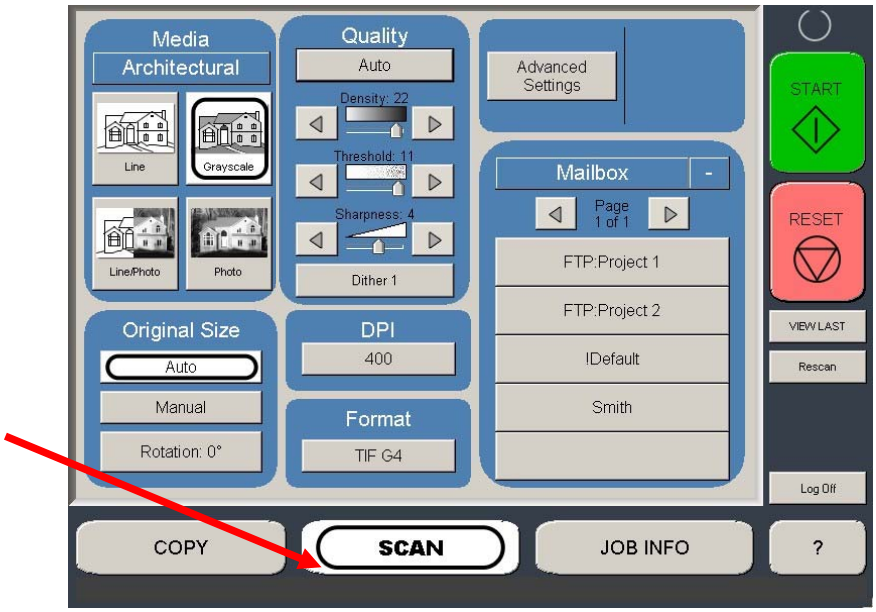
No.	Name	Function
1	Mode	Selects the “Mode” of the system. (Scan Mode for this screen shown)
2	Original Size	Use automatic settings or manually set width, length and rotation of the images.
3	Original Type	User Selects the type of original to scan. Also select either Eng/Arch Mode here.
4	Quality	Select Auto or Manual image adjustments
5	DPI	Scroll through final image resolution. (DPI)
6	Format	Scroll through formats the scanned file will be saved to.
7	Advanced Settings	Invert, mirror, stamps, and edge adjustments preformed / displayed in this button (sub screen)
8	Reset / Stop	Resets the system to default settings. Stops a scan in process
9	Destination	Select where the image will be stored after the scan (local setting, FTP etc.).
10	View Last	View the last scanned image
11	Rescan	Rescans the last image (replaces)

1.2 Simple Scanning

To scan to file please follow these basic steps.
The following chapters have details on adjustments and parameters that the user can change to modify the scans.

1.2.1 Select Scan Mode

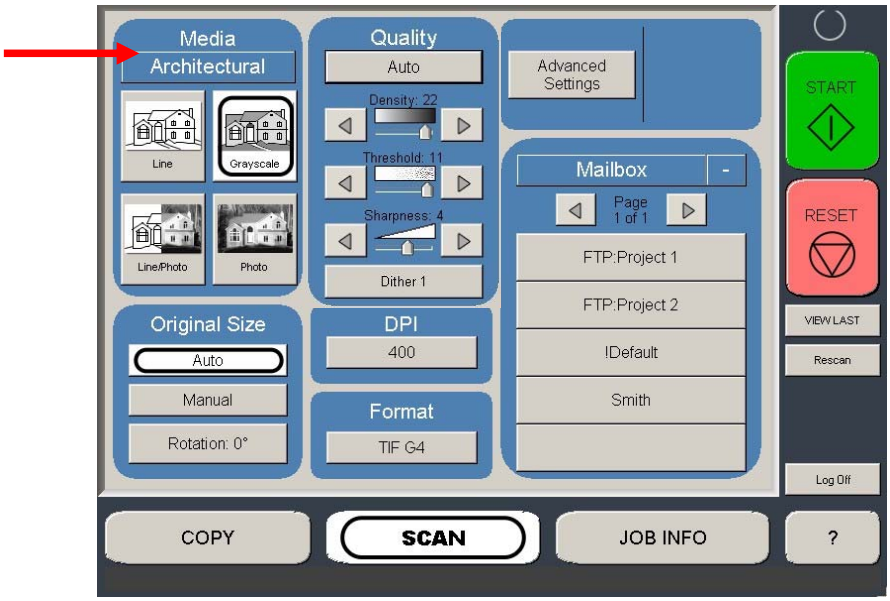
On the lower region of the Operator Panel select “SCAN”.



1.2.2 Select Size Mode

Select whether your document is an engineering or architectural size document. This will allow automatic width detection to function.

Engineering widths = 34, 22, 17, 11, and 8.5 inches
Architecture widths = 36, 30, 24, 18, 12, and 9 inches

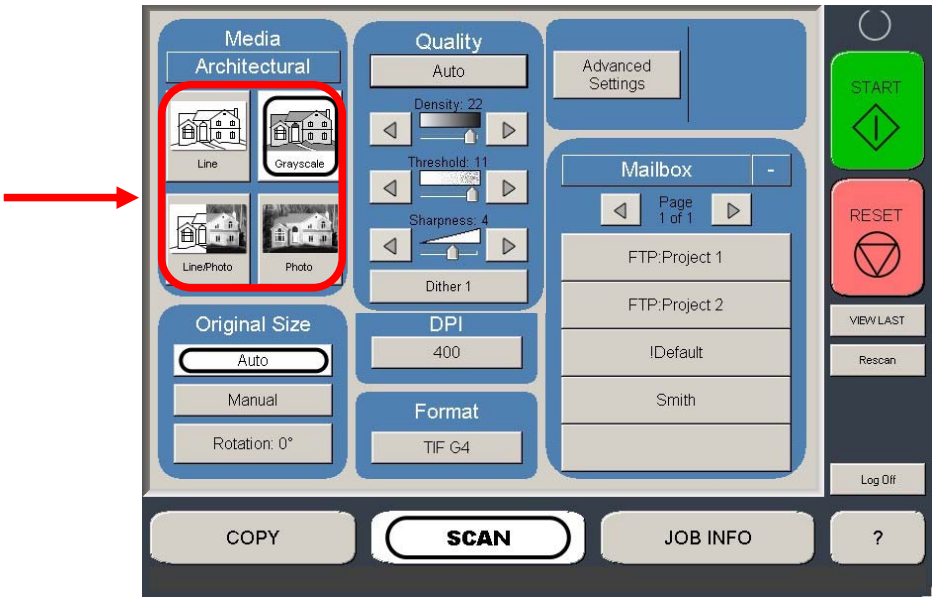


1.2.3 Select Original Image Type

Set which Original Image type you will scan. The selections are:

Line	- used for simple line documents
Line / Photo	- used for a combination of lines & photos documents
Greyscale	- used for a combination of lines & areas of shade (CAD) originals
Photo	- used for photographic originals

This will allow automatic image quality adjustments for the scan.

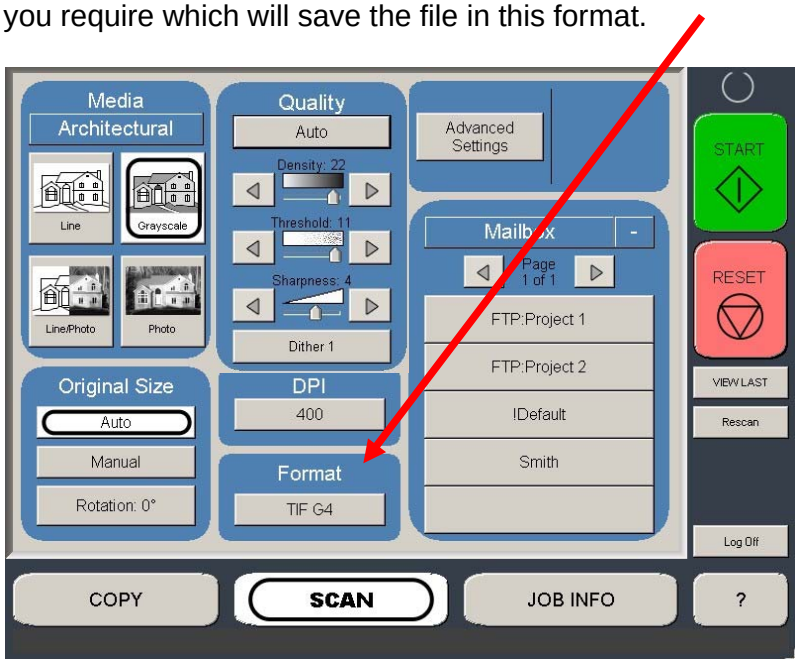


1.2.4 Select Format

Press the button to scroll through the file formats available.

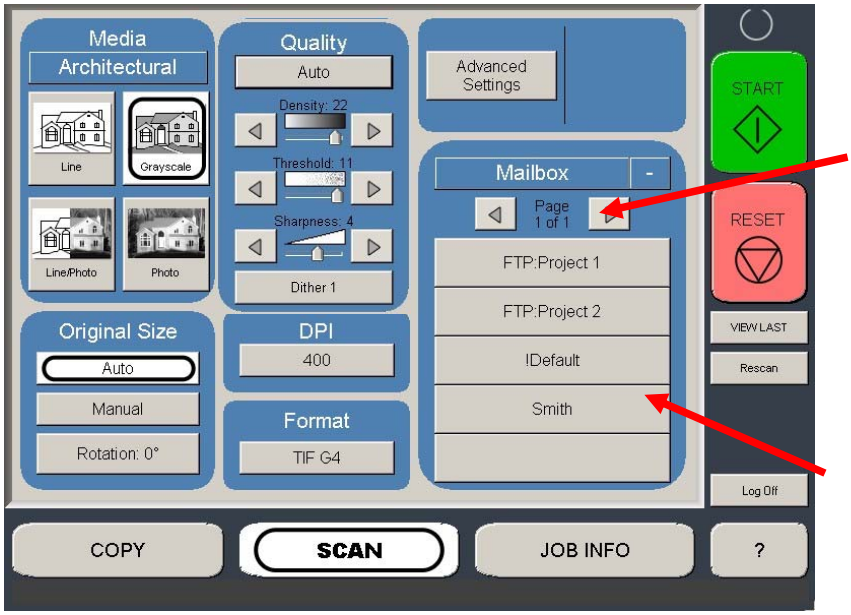
TIF-G4	- tif format Group 4 level compressed
TLC	- KIP format compressed
CAL-G4	- Cals Group 4 level
PDF	- PDF Level 3

Select the type you require which will save the file in this format.



1.2.5 Select Destination

Select the location to where the file will be saved. Use the “Page Arrows” as required to view other choices currently available.



> **NOTE**
> The choice of destinations are predetermined by the system administrator or key operator. Please contact these persons for any additional locations that you may require. The “Destination” button will allow for additional location entries.

1.2.6 Insert Original

Using the guides on the feed table, center the original face up and insert the document. Continue to push forward until the scanner accepts the document.

The Original will automatically commence to scan. While this occurs the image will be displayed on the Operator Panel for your reference.

1.2.7 Retrieve the File

Depending on the “Destination” you may now access your scan from a PC connected to the LAN. This includes:

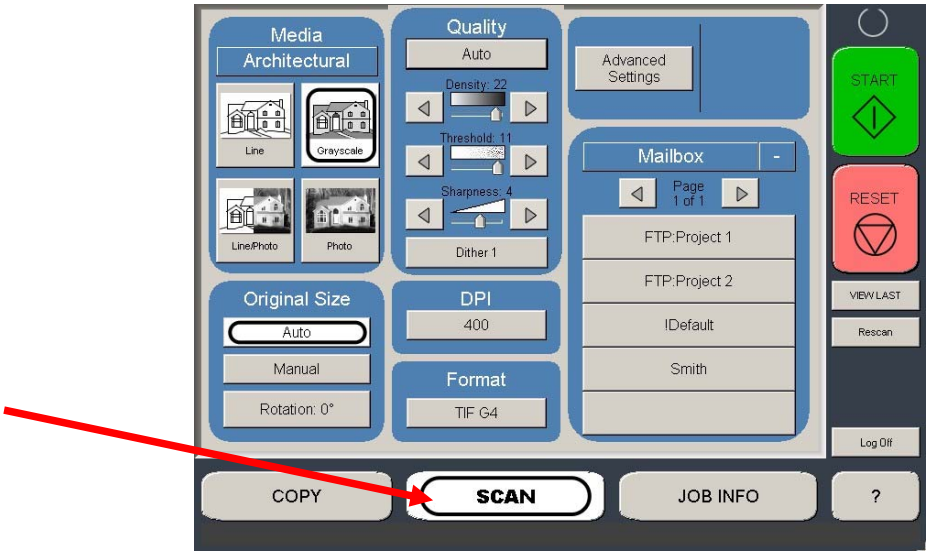
a) from a FTP site (using Microsoft Windows Internet Explorer or other FTP software)
b) or from the “KIP IPS Mailbox” utilizing “KIP Request” to access the document.

Please see the User Guides of these applications for details on their function.

2. 0 Operation Details

2.1 Main Screen

The main SCAN screen is selected with the Scan Button.



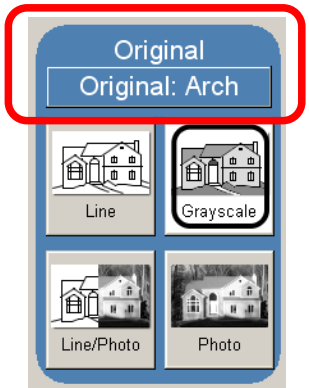
It contains all user functions for scanning to file. The following pages details the functions and settings of each button and sub screens that can be used to adjust the scan parameters to achieve the required result.

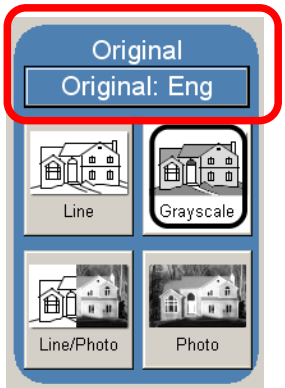
2.2 Original

This region allows the setting of the Size Mode (Engineering or Architectural) and the Original Document type.

2.2.1 Original Size Mode

This button is used to select the Size Mode of Engineering or Architectural and Original Image type.





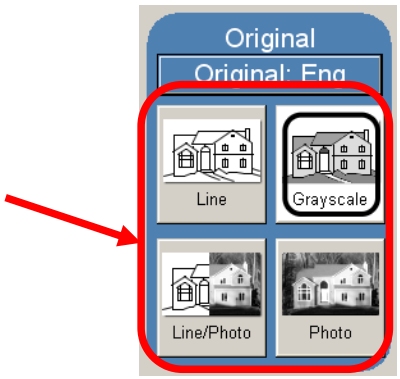
This will allow the automatic width detection system to determine the image width when an original is placed in the scanner.

(Eng) Engineering widths = 34, 22, 17, 11, and 8.5 inches
(Arch) Architecture widths = 36, 30, 24, 18, 12, and 9 inches

2.2.2 Original Type

There is a selection of four different predetermined original types. The selections are:

a) Line - used for simple line documents
b) Line / Photo - used for a combination of lines & photos documents
c) Greyscale - used for a combination of lines & areas of shade (CAD) originals
d) Photo - used for photographic originals



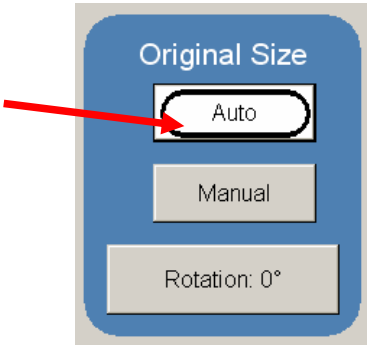
Press the desired original setting from one of the four diagrams. This will allow automatic image quality adjustments for the next scan. Please note that the selection will be highlighted with a “black” circle and the icon will become white, as in the above example “Greyscale”

2.3 Original Size

This region is used to select the image size to be scanned.

2.3.1 Automatic Size

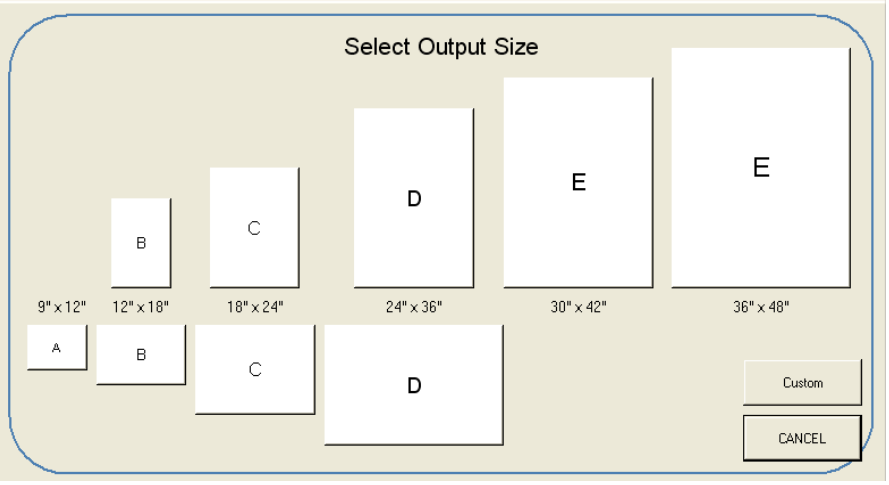
For most scans, “Automatic” should be selected. This will allow the scanner to automatically determine the width and length of the scan without any user intervention (please also note “Original Size Mode” in 2.2)



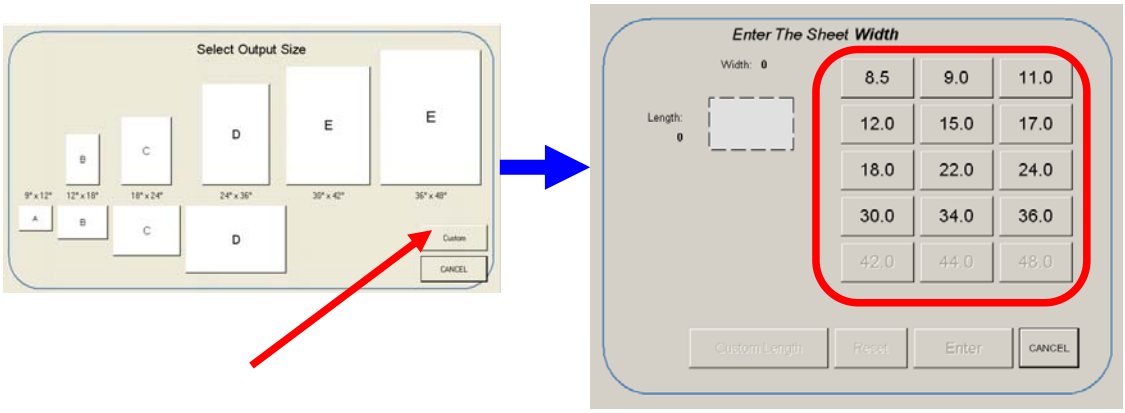
2.3.2 Manual Size

To override the “Automatic” settings, “Manual” can be selected. When this button is pressed, sub screens will appear:

a) Select the size of the sheet

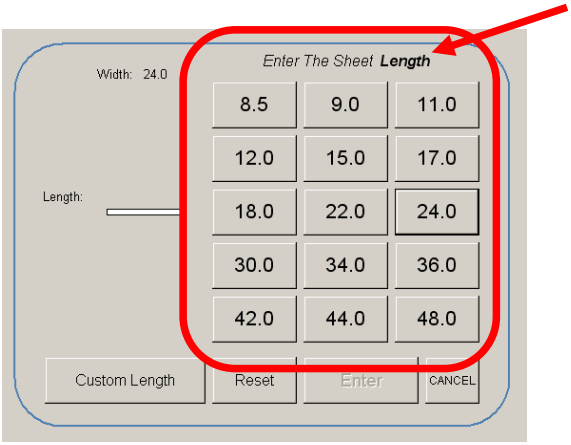


b) Or use “Custom” to select a width.

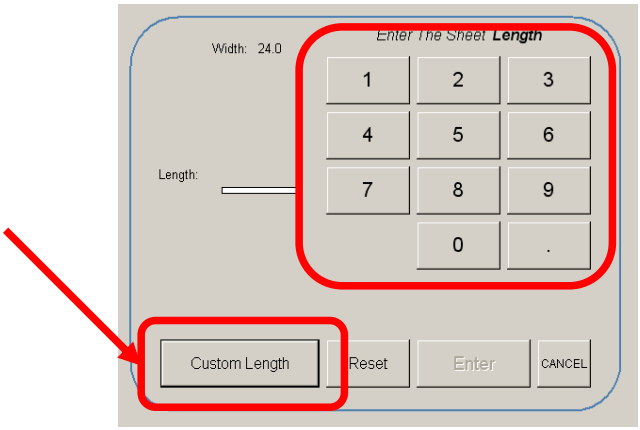


c) Set a standard size width.

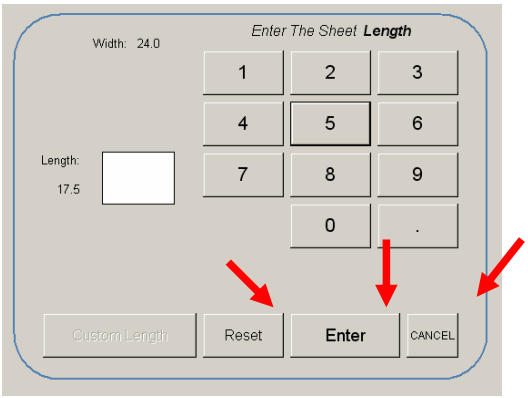
d) Select a standard size length or



e) a custom length with the key pad.



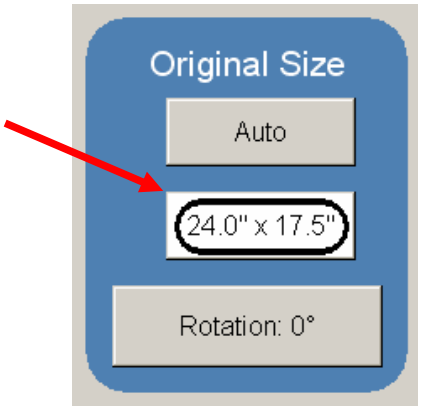
f) press, “Reset” to begin again, “Enter” to accept the settings or Cancel” to cancel “Manual” image size.



2.3.3 Hard Drive Space Monitor

Located on the main screen of the KIP 3000 scan menu, the hard drive monitor provides a real-time display of remaining disk space. The monitor shows both the used space and the space available for image storage.

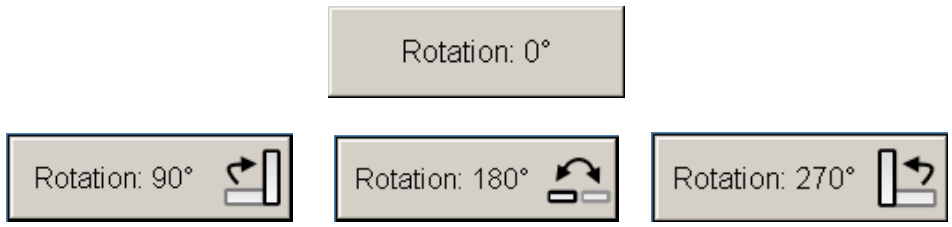
The main Scan screen will now display the custom or manual size settings for the next image.



2.3.4 Rotation

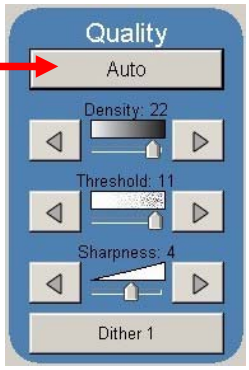
The file can be saved rotated, differ than the actual feed direction. This can be used to reduce the scan time on certain orientation of originals, when they are archived.

Press the “Rotation” button to select either one of four settings:



2.4 Quality

This region is used to change the image quality settings from the automatic setting.



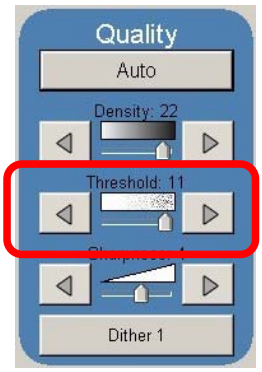
2.4.1 Automatic

For most scans, “Auto” should be selected. This will allow the scanner to automatically determine the best image settings without any user intervention (please also note “Original” in 2.2)

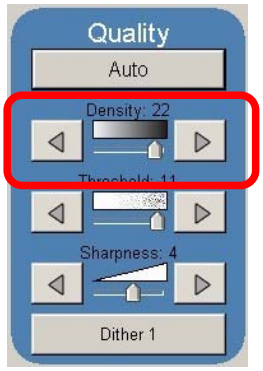
Threshold

To override the “Automatic” setting, “Threshold” can be adjusted. Deselect “Auto” to enable “Threshold”.

When the arrows are pressed the threshold will be set to a desired level. This will suppress or enhance the lines and images on the original.



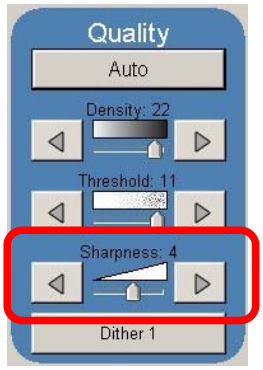
2.4.2 Density



To override the “Automatic” setting, “Density” can be adjusted. Deselect “Auto” to enable “Density”.

When the arrows are pressed the background density will be set to a desired level. This will suppress or enhance the background of the original.

2.4.3 Sharpness



To override the “Automatic” setting, “Sharpness” can be adjusted. Deselect “Auto” to enable “Sharpness”.

When the arrows are pressed the line sharpness will be increased to remove rough lines or decreased when photos are copies to allow smoother graduations.

2.4.4 Dither

To override the “Automatic” setting, “Dither” can be adjusted. Deselect “Auto” to enable “Dither”.

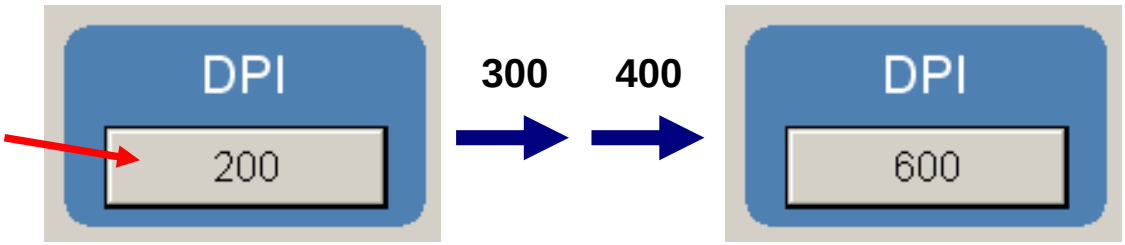
By pressing the dither button,

a) None
b) Fine
c) Medium or
d) Course

dither of the image can occur. This will change how the dots are arranged to create the final image of the copy. For fine lines a “Course” dither pattern may be desired. For Photos “None” may be desired.

2.5 DPI

Scroll through the DPI button to select the required scan resolution. Choices are 200, 300, 400 or 600 DPI.

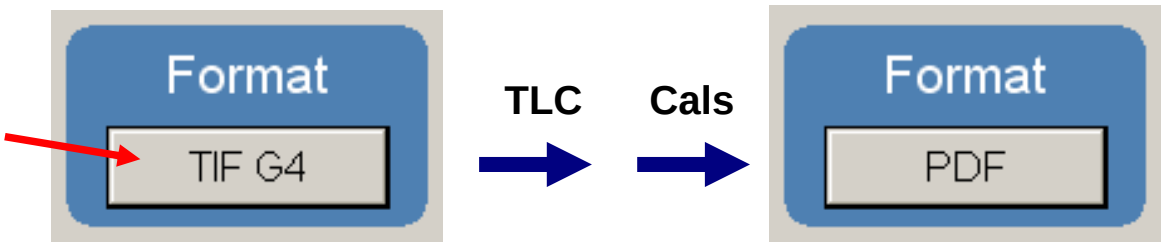


2.6 Format

Press the “Format” button to scroll through the file formats available.

TIF-G4	- tif format Group 4 level compressed
TLC	- KIP format compressed
CAL-G4	- Cals Group 4 level
PDF	- PDF Level 3

Select the file type required to save the image into this format.



2.7 Advanced Settings

The Advanced Setting button contains the additional parameters on a sub screen:

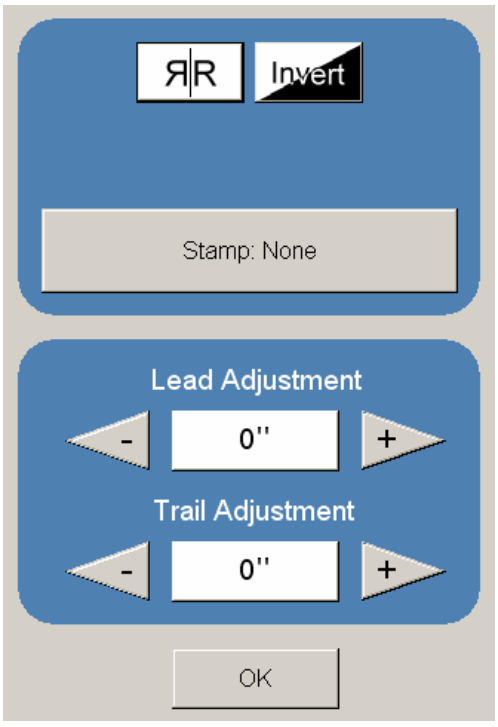
a) Invert

b) Mirror

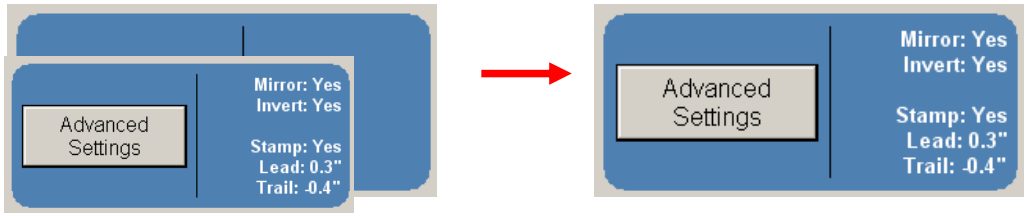
c) Stamp (Water Mark)

d) Lead Edge Adjustment

e) Trail Edge Adjustment



Make any of the required adjustments / selections and press “OK” to accept. The selections will now be displayed on the main Scan screen



2.7.1 Mirror

Select this button to “mirror” a scan. This can be utilized on originals that may have the actual image on the reverse side such as older “sepia” or “film” documents.

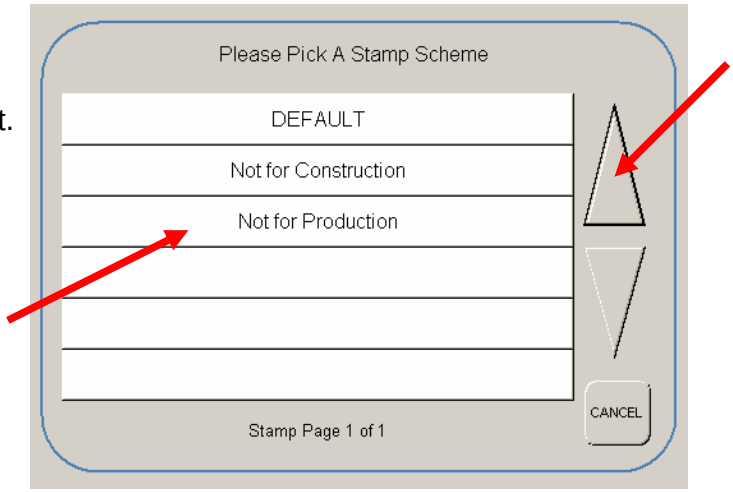
2.7.2 Invert

Select this button to change a region of white to black and visa versa of a scanned document. This is normally used for “negative” documents or “blue prints”.

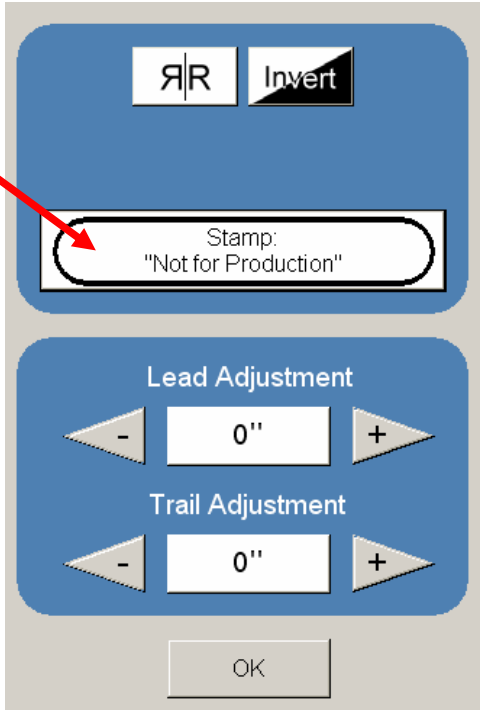
2.7.3 Stamp

Select “Stamp” to display another sub screen. This will allow the selection of a “Stamp” or “Water Mark” to be placed on the scanned image. It will be imbedded into the image.

a) use the Arrow buttons to scroll through the available stamps and then select the stamp from the list.



b) The Stamp button will now display the stamp selected.

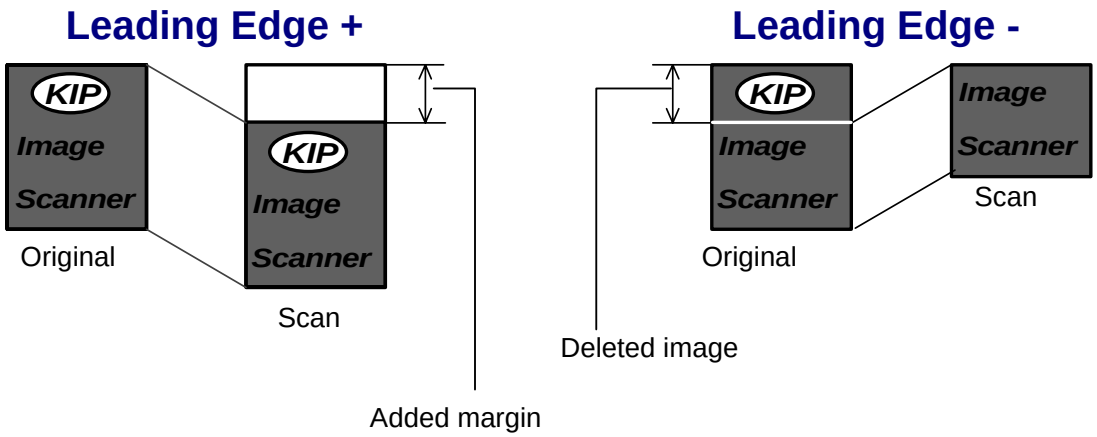


> **NOTE**
> The list of "Stamps" are loaded into Scan Mode by the system administrator or key operator. They can not be altered or modified in any manner on the KIP 3000 Operator Panel.
>
> Please contact these persons for any additional stamps that may be required.
>
> Please see "KIP Request" for these functions.

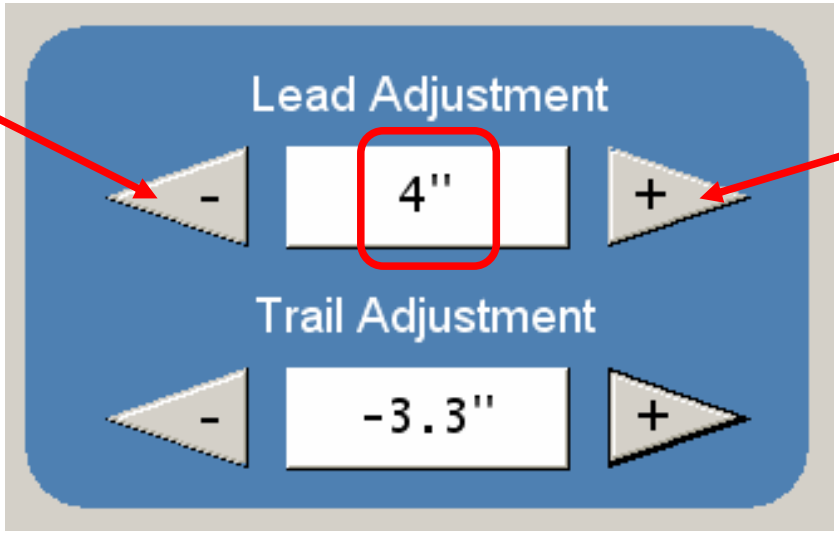
2.7.4 Leading Edge Adjustment

The leading edge of a scan can be altered. (+/- 4")

a) additional void area can be placed on the lead edge of a scan or
b) image can be removed (such as a binding strip or a file hanger)



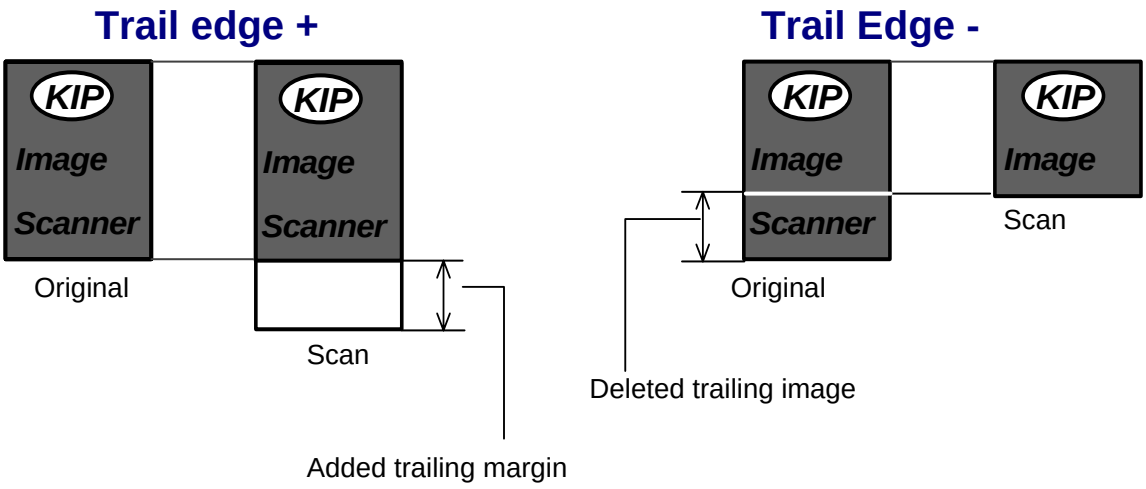
To adjust the Leading Edge, use the arrows to denote the quantity you wish to add or remove.

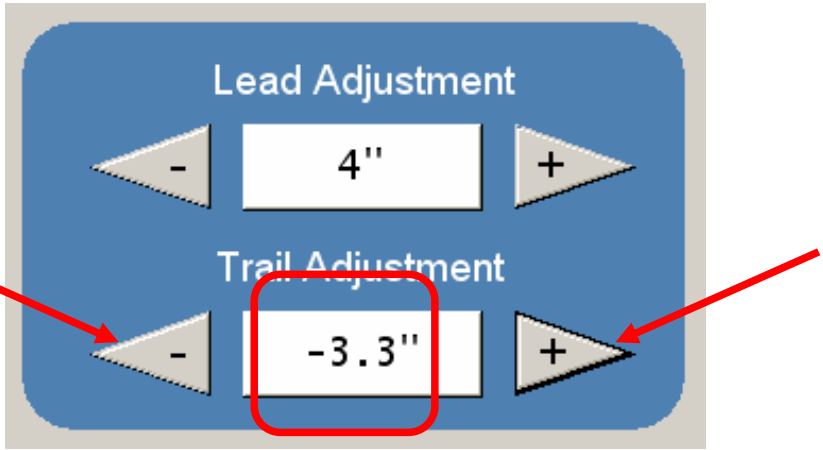


2.7.5 Trailing Edge Adjustment

The trailing edge of a scan can be altered. (+/- 4")

c) additional void area can be placed on the bottom of a scan or
d) image can be removed (such as a binding strip or a file hanger)



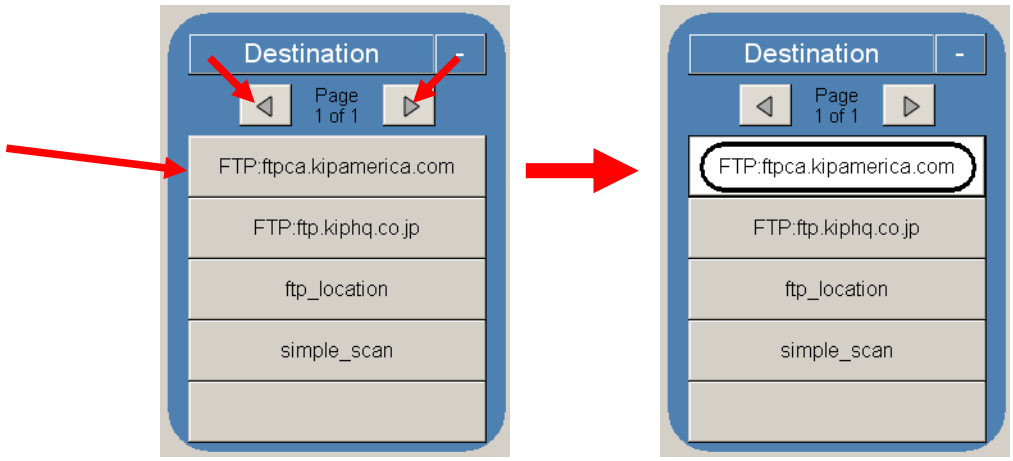


2.8 Destination

This region of the Scan screen allow the user to select where the files will be placed.

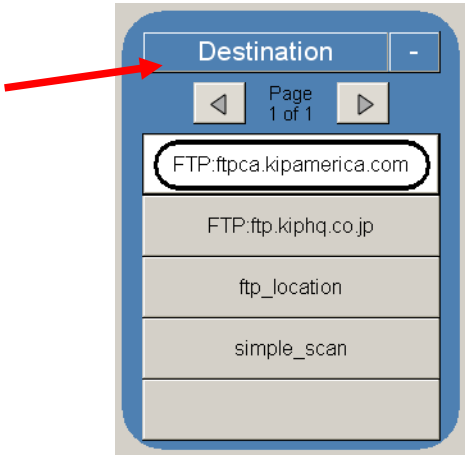
2.8.1 Selecting a Destination

a) Use the arrow keys to scroll through the list as needed.
b) Select the location by pressing on it

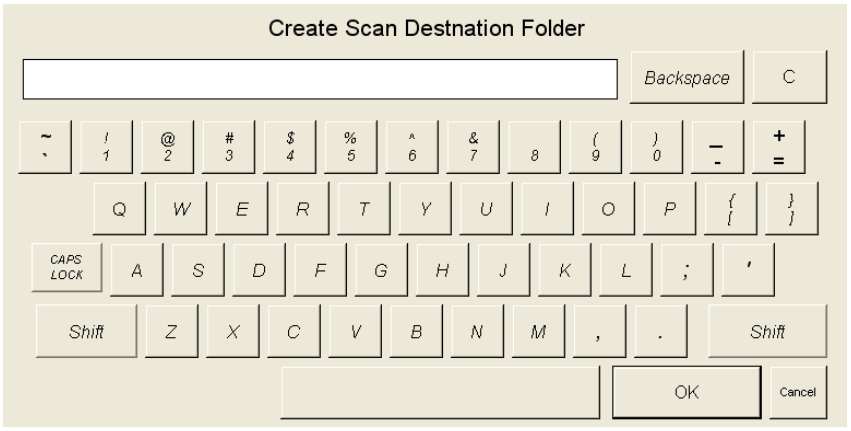


2.8.2 Setting a New Destination

a) Press the Destination Button



b) An electronic keyboard will be displayed.



c) Enter the new location using standard protocols of networking for scans to the:

IPS Mailbox

Set the a simple name for the location

Examples:

Dsmith
B_Project
Team_XYZ
Michele

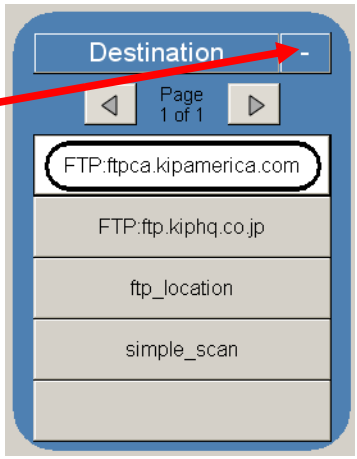
Access to these folders and the scanned images is preformed from the KIP Request application. Please see the User Guide of "KIP Request" for the retrieval function.

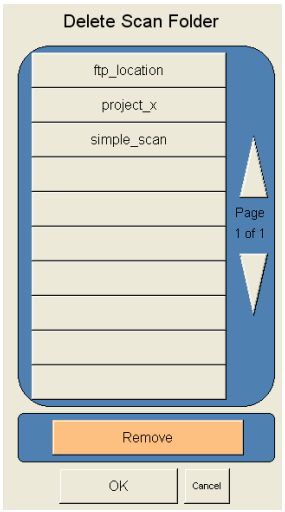
FTP Locations

Please contact your network administrator for details on how to configure and load FTP locations into the KIP 3000 Scan Mode. (Administrator / Service Functions of the KIP 3000) Please see your network administrator for access to your FTP and the retrieval of the documents from the FTP.

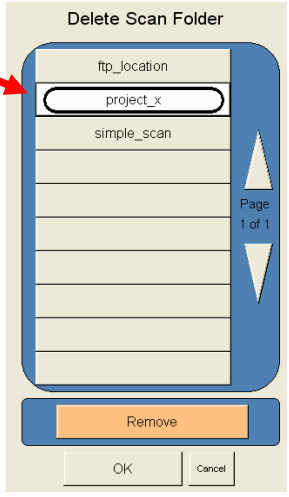
2.8.3 Removing a Destination

a) press the "-" button on the main Scan screen





b) Select which "Destination" you wish to remove.

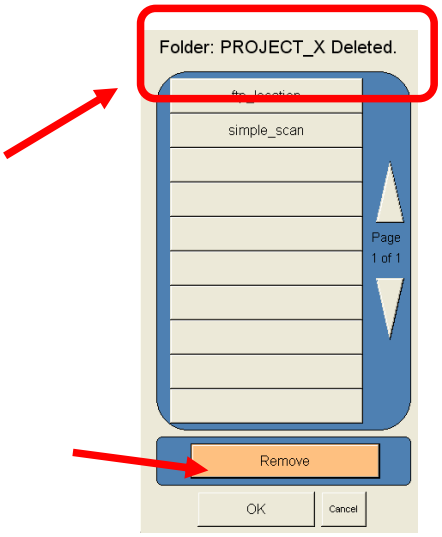


NOTE

The "Destination" removed also removes all documents images with that folder.

ENSURE YOU HAVE BACKED UP or DOWNLOADED ANY NECESSARY FILES IN THE FOLDER PRIOR TO REMOVING IT IN THE NEXT STEP!

c) and then press “Remove”



2.9 Start

No function at this time in Scan Mode.
All scans in Scan Mode are “Auto Start”.

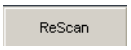
2.10 Reset / Stop

This button has two functions.

1) Press the Stop button on the Operator Panel to stop the current scan. After the original has been stopped, press the Stop button again to eject the document from the scanner or open the scanner lid to remove the original.
2) Press the Reset button to restore the “default settings” in Scan Mode. Some of the default settings are determined in the Information / Help Screen of the KIP 3000 (see Scan Mode Configurations chapter)

2.11 Re-Scan

If the scanned image was not satisfactory, you can replace the last image scan by selecting this button and proceeding with the scan procedure as normal.

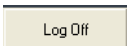


2.12 View Last

Allows the last scan to be reviewed again on the operator panel.

2.13 Log Off

This button may be displayed if accounting is enabled. Press this button to log off the current user after the scanning has been completed.



Section 4

Job Info Screen

Page

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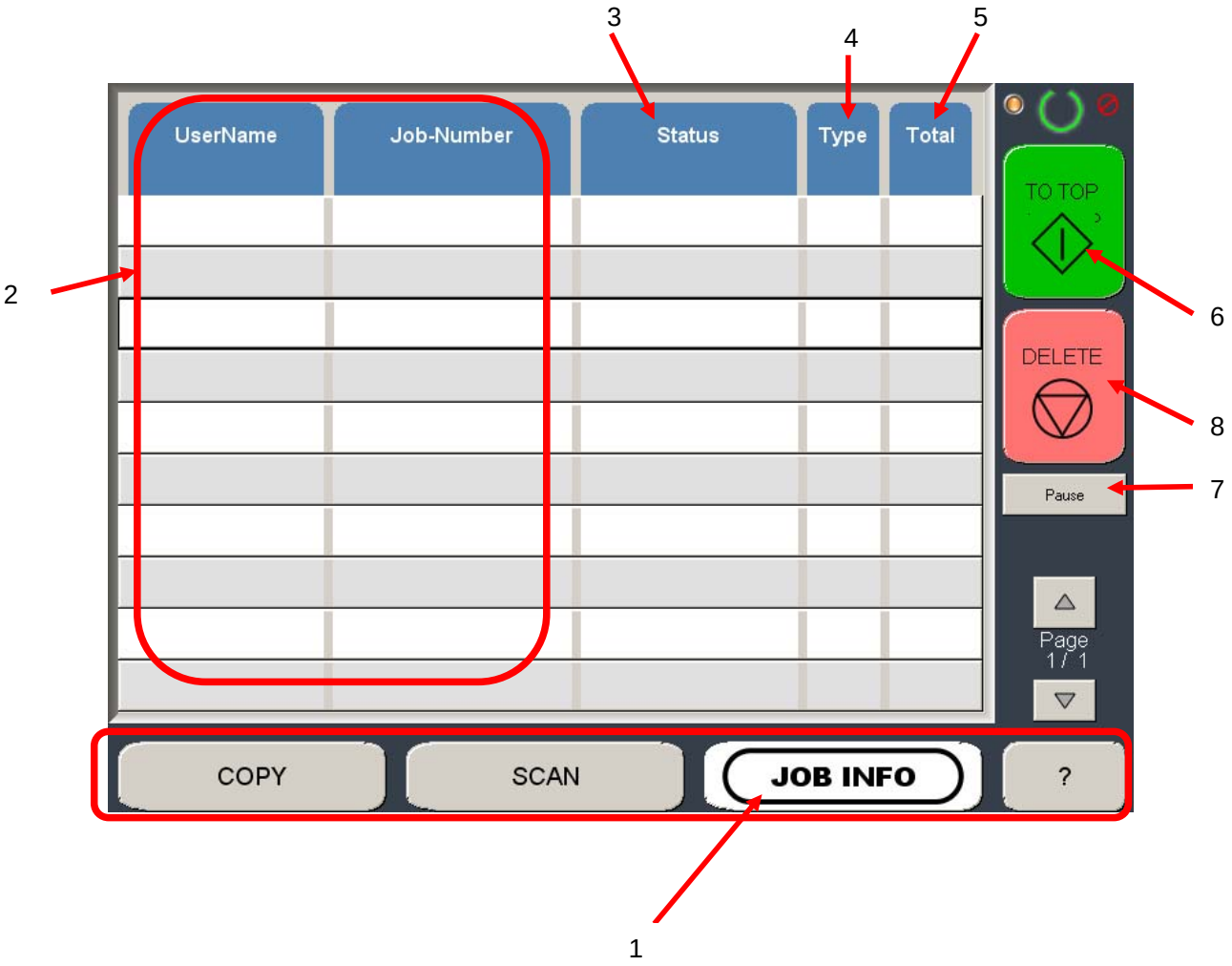
1. 0 Job Info Screen

1.1 Main Screen



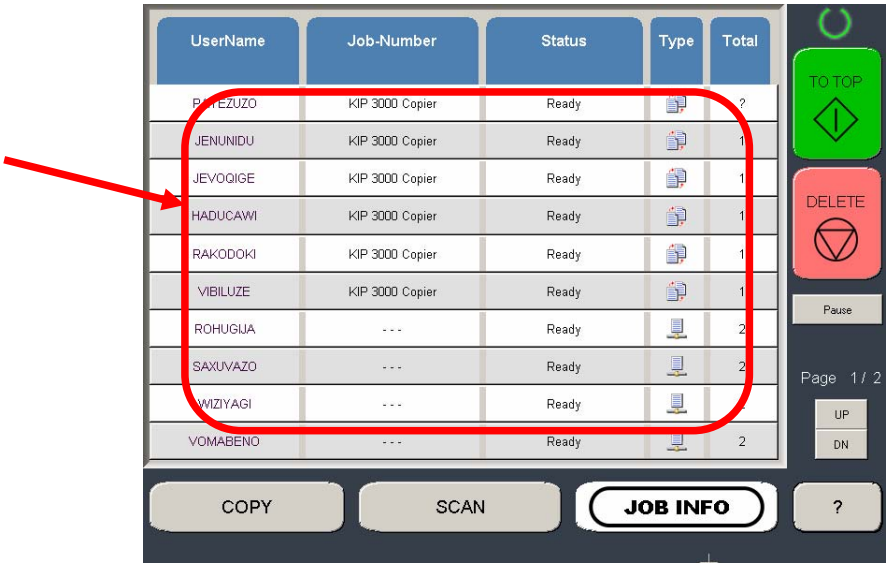
No.	Name	Function
1	Mode	Selects the “Mode” of the system. (Job Mode for this screen shown)
2	User Name – Job #	Display the User and any user info of the job ID. A job can be selected for other functions noted below.
3	Status	Shows the current status of a job and media selection.
4	Type	Displays a copy or network print job
5	Total	Displays the total number of prints and current number printed.
6	To Top	After a job is selected (see #2) the position can be changed to the next job printed.
7	Pause	Pauses printer to allow media change, etc
8	Delete	After a job is selected (see #2) it can be removed from printing.

2. 0 Operation Details

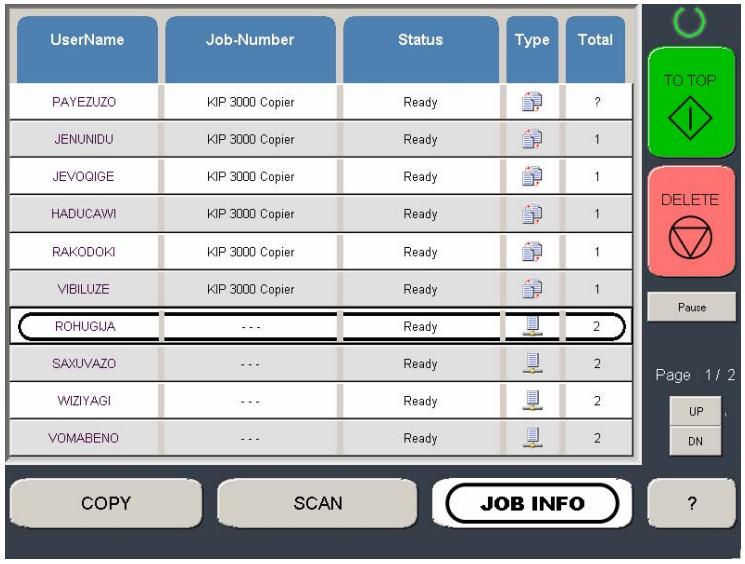
The Job Info screen is used to view or manage the current copy or prints jobs in the KIP 3000.

2.1 Job List - Main Screen

All jobs which are currently printing or are waiting to print are displayed in this area.

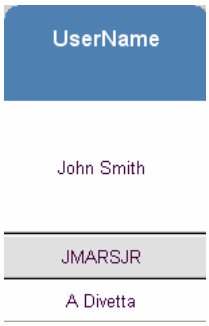


You may make a job large for viewing (or for other functions described further in this manual) by selecting the job from the list



2.2 User Name

Displays the “Name” or the “owner” of the job.

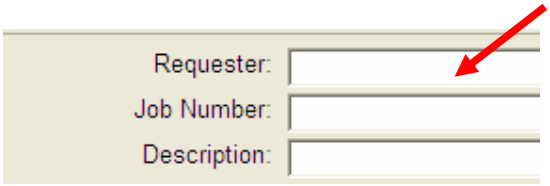


This information is known from a field from within

a) KIP Request
b) KIP Windows Driver
c) KIP AutoCAD Driver
d) or from the Accounting Fields as a copier when accounted is enabled

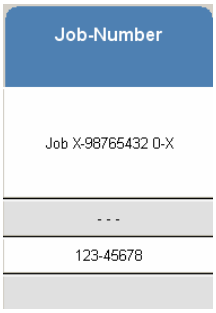
Please see respective User Guides for detailed information

An example screen from Request:



2.3 Job Number

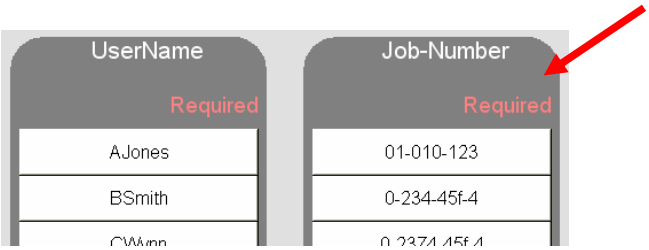
Displays the “Job Number ” or any the details of the job.



This information is known from a fields from within

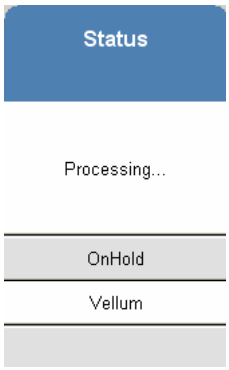
e) KIP Request
f) KIP Windows Driver
g) KIP AutoCAD Driver
h) or from the Accounting Fields as a copier / scanner when accounted is enabled

An example from Copy / Scan Accounting:



2.4 Status

Displays the current “Status” of a job.



This can be one of the following:

a) Processing – job is currently printing
b) On Hold – job is waiting to be printing, one or more jobs are prior to this job
c) Vellum – Media required is Vellum
d) Film – Media required is Film
e) Bond – Media required is bond

2.5 Type

Displays the source of the job. Jobs can be sent from the network or as a copier.

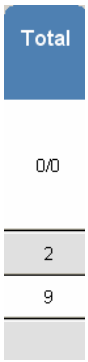
If from the network the following symbol is displayed:

If from a copy job the following symbol is displayed:

2.6 Total

Displays the number of prints. This includes

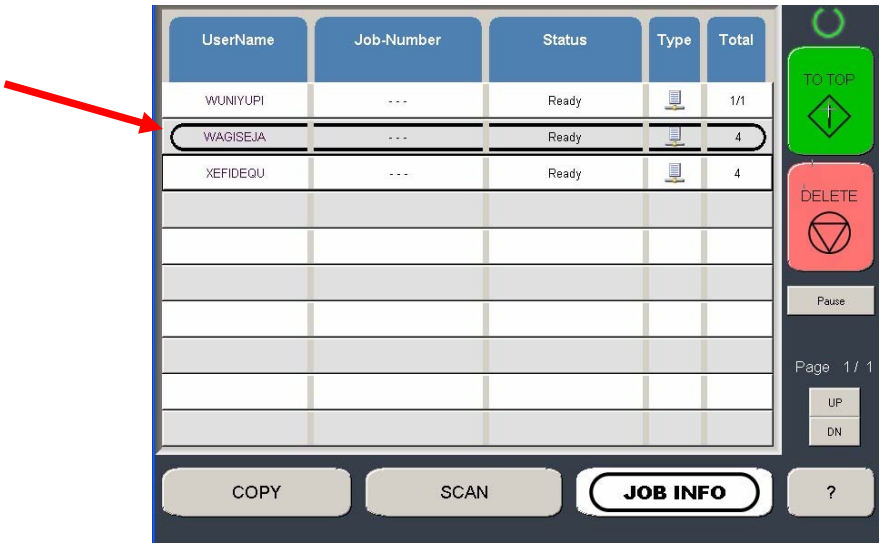
a) the quantity in each job
b) the amount remaining , when a job is printing.



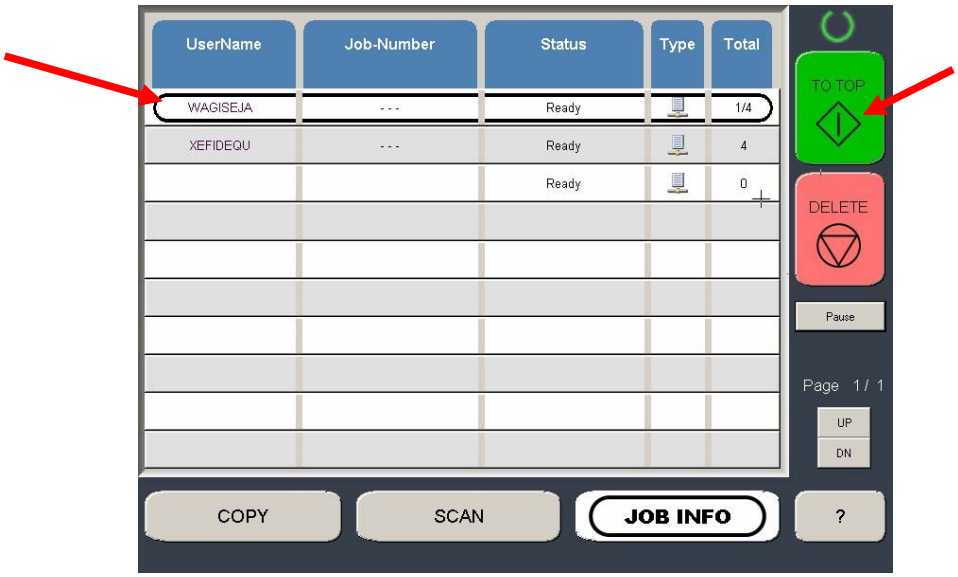
2.7 To Top

If a job in the list is required urgently and there are other jobs in the list prior to the urgent one, it can be moved to become the next printed document(s) after the current job is complete.

a) Select the job from the list



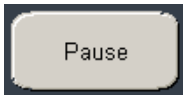
b) Press the “To Top” button



c) The list will be updated with urgent job to be printed next.

2.8 Pause

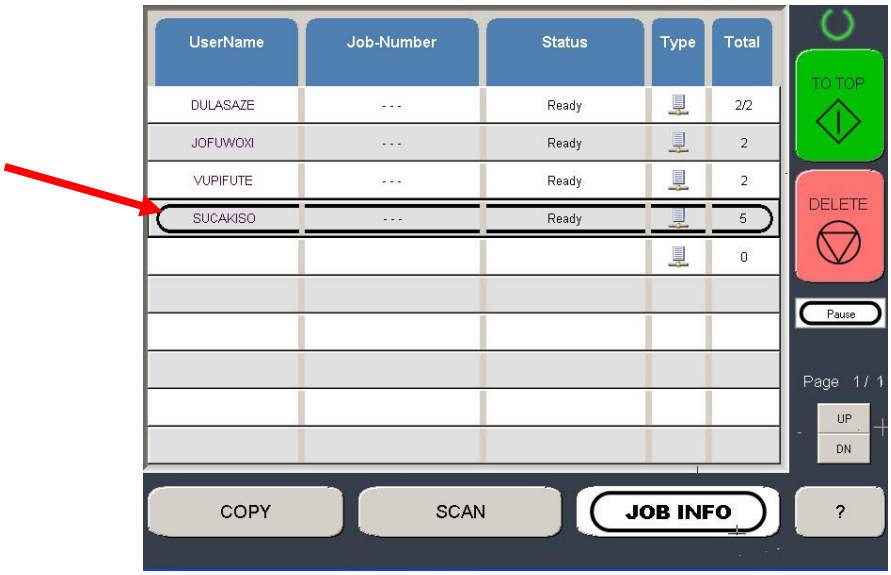
To pause all print jobs (to replace paper or another task that may require the printer to pause) press the pause button.



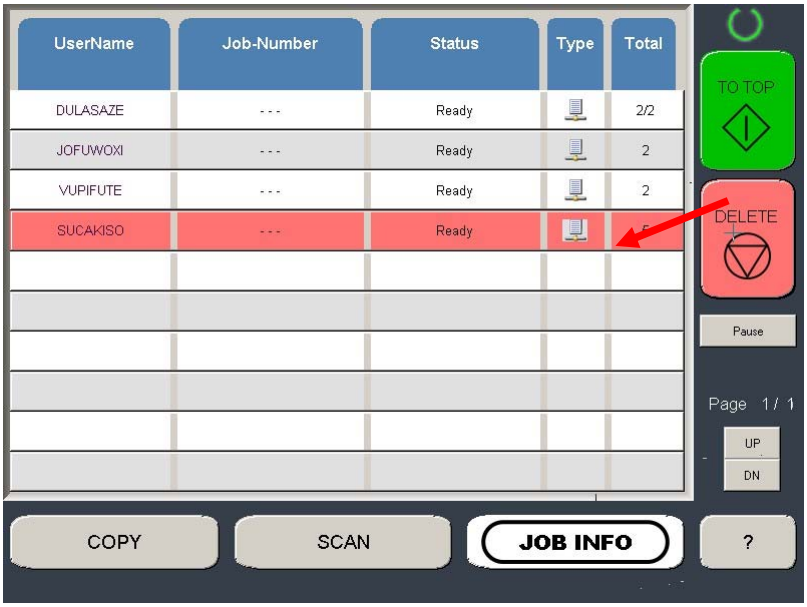
2.9 Delete

To remove a job from the Job list:

a) Select the job to remove



b) Press the Delete button



c) The job will be removed from the list.

2.10 Page Scroll

Arrows may appear in the lower right corner of the screen to scroll through the pages of jobs. Please note that the total number of pages will also be displayed as well as the current page.

Section 5

Help-Configuration Screen

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1.0 Help – Configuration Screen

1.1 Overview

The KIP 3000 has the ability to display information about the system and allow detailed configuration or settings of the KIP 3000 for Copy and Scan modes.
It also has visual user guides which can also assist the user to perform the functions of the KIP 3000.

To Enter the "Help – Configuration" screen press on the "?" on the bottom right of the KIP 3000 user interface.

Some of the configurable settings include:

a) Language
b) Sleep Timers
c) Energy Star - Mode
d) Reset Timer for Memory and Default Settings
e) Printer Density
f) Master Lead / Trail Edge
g) Default Mode
h) Units (Metric or Inch)
i) Default Original Size Mode
j) Quality / Scan Speed
k) Number of Rolls
l) Shading
m) Test patterns
n) Enable Options
o) Network IP settings

Some of the above settings will require access by the system administrator, key operator or service technician.

1.2 “?” Screen – General

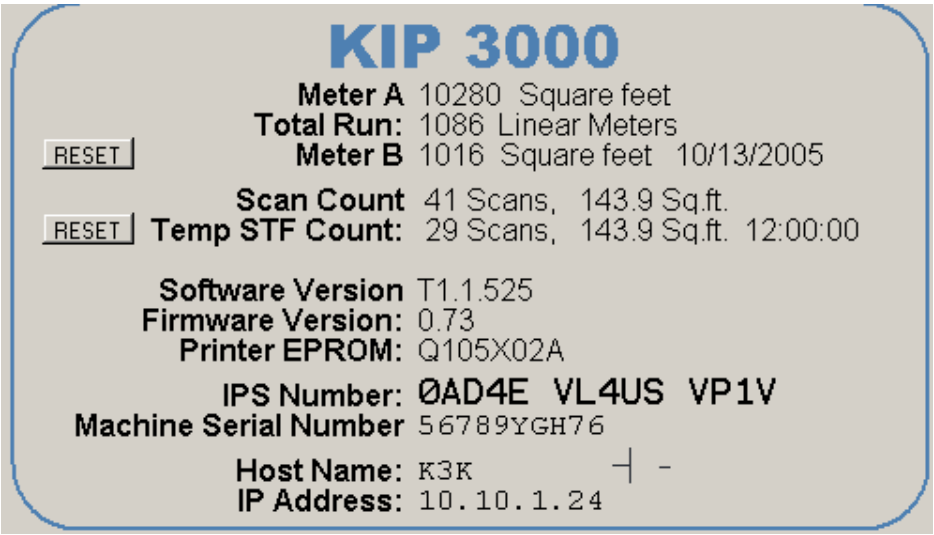
No.	Name	Function
1	Mode	Selects the “Mode” of the system. (Help Mode shown)
2	Information Region	Displays meter counts and version number of the system.
3	Support / Supplies	Displays the contact information for technical support and printer supplies.
4	User Guide	Enters the Graphical Users Guides.
5	Configuration	Enters the settings and configurations modes.
6	Print This Screen	Prints the main “?” screen on the KIP 3000

2.0 Main Screen - Details

2.1 Information Region

This area of the Screen includes meter counts and software versions

.



2.1.1 Meter A

Displays the total number of units run on the printer. This counter should match the hard counter on the right mid- front section on the printer. This unit is in square feet in North America and in Square Meters in all other countries. (when printer set to metric mode)

Inch mode: 1 count = one square foot
Metric Mode: 1 Count = one square meter

> **NOTE**
> If this counter differs from the hard counter on the printer contact your local service company!
>
> The units of this counter are from the internal processor of the printer and can be “reset” if care is not taken upon replacement of the DC Controller if ever so needed. Please see KIP 3000 Service Manual for details on the setting procedures.
>
> Any discrepancies: the hard counter shall be taken as the correct value!

2.1.2 Total Run

This meter counts the total number of linear meters run on the printer in all countries. One count = one linear meter

> **⚠ NOTE**
>
> The units of this counter are from the internal processor of the printer and cannot be "reset" unless the DC Controller is replaced or FIRed.
> Please see KIP 3000 Service Manual for details on the setting procedures.
>
> Any discrepancies: the hard counter shall be taken as the correct value!

2.1.3 Meter B

This counter can be reset at any time to count the units in a particular job if so required. The date of last "reset" is also displayed. This counter's units are the same as Meter A. Press the reset button to start at "0"

2.1.4 Scan Count

Displays the total scan count of "imaged" area. That is if the original was larger than the saved imaged area only the saved imaged area is recorded.
If the incorrect original size was selected the size selected will be recorded.

Example:
With a 24x36 original

1) If the original was feed 36" wide with a 36" wide setting on the User Interface then 6 sq ft recorded.
2) If the 36" wide original was scanned in at a 24" wide manual setting ,the size will be recorded as 24x24 or 2 square feet.

2.1.5 Scan Count- Temp

This counter can be reset at any time to count the units in a particular job if so required. The date of last "reset" is also displayed. This counter's units are the same as in Scan Count. Press the reset button to start at "0"

2.1.6 Software version

Displays the software IPS version for technical support.

2.1.7 Firmware Version

Displays the printer firmware version for technical support.

2.1.8 IPS Number

Displays the current IPS number. This is required for any optional upgrades to the KIP 3000.

2.1.9 Machine Serial Number

Displays the KIP 3000 hardware serial number. This is also located on the lower rear of the printer.

> **NOTE**
> If this serial number differs from the “hard coded” number on the lower rear of the printer contact your local service company! The hard code serial number is to be taken as correct in case of any discrepancies

2.2 Supplier / Technical Support

The region is supplies the contact information for KIP 3000 supplies and service. This region should display your local Authorized KIP dealers information. If this information is incorrect, please contact your KIP distributor.

3.0 User Guides

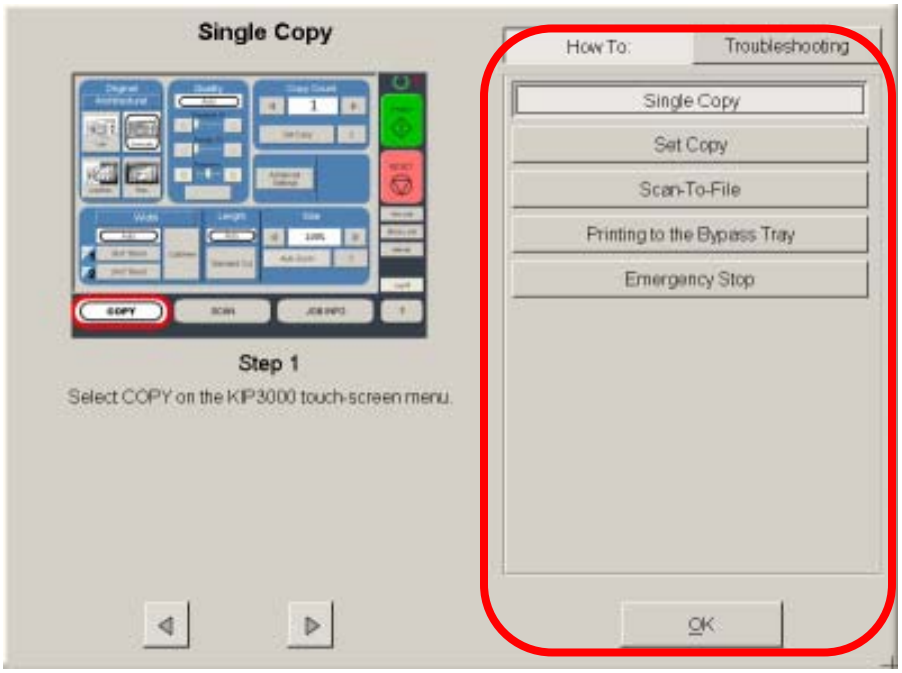
Press the User Guides button to gain access to the KIP 3000 User Guides on the KIP 3000.

The User guides cover the most basic functions of the system operations including media / toner replacement on the KIP 3000. For comprehensive details please consult this User Manual.

a) select the function assistance is required with

b) Use the arrow buttons to page through the guide

c) Press OK at any time to exit the guides



4.0 Configuration

4.1 Inch or Metric Units

Set the system from "Inch Mode" to "Metric Mode" by pressing the Inch or Metric button. This will effect the entire KIP 3000 System, including Scan, Print and Copy. Please note that the printer must be set to the correct size mode for proper print function.

4.2 Language

Set the KIP 3000 Operator Panel into a desired language.

4.3 Energy Star Mode

The KIP 3000 Copier is Energy Star compliant. It is defaulted to power off 30 minutes after last used.

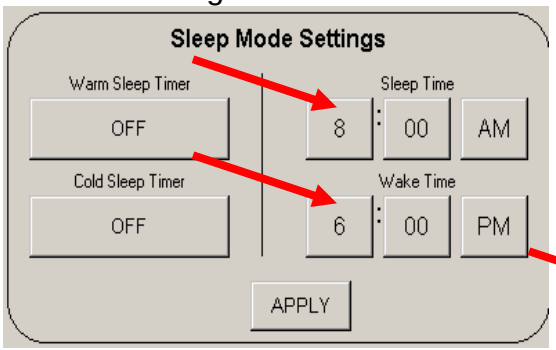
4.4 Power Save Settings

The KIP 3000 incorporates timers to save power and place the printer in "cold sleep mode" to suit individual company production requirements. These timers can be used to automatically turn off the printer when the "office is closed", for example overnight.

Energy Star Settings – Energy Star compliant settings require that the printer goes to Warm Sleep after 15 minutes and into Cold Sleep after 90 minutes of inactivity. These are the factory setting and can be achieved by selecting "Reset".
There are two sleep mode settings to choose from, only one can be active at a time and these are locked by default in the Services settings.

1. Warm/Cold Sleep Timers – This timer can be set to put the printer into a warm/cold sleep mode after a predetermined period of inactivity.
2. Sleep Time – This time is used in conjunction with the computers clock and is used to put the Printer to sleep at a pre-set time and wake the printer back up at a pre-set time.

User Configuration



Service Configuration

a) Set the timers by pressing on the hour, minutes and AM/PM as needed.

b) If the printer is required during the “sleep” period, it will simply awake, produce the prints and then “fall asleep“ again, 15 minutes later.

NOTE

Other sleep timer are also available on the KIP 3000 set only by the technician. These other timers set the printer to sleep within a certain number of minutes after last use, and can be awaken by network or copy job. This places the printer into warm or cold sleep as well.

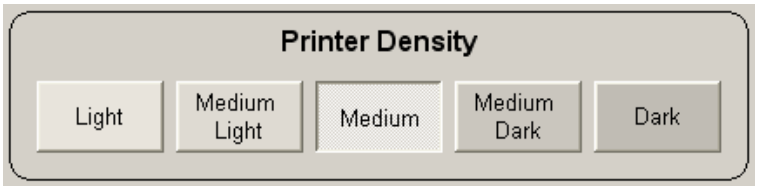
Please contact your local technician if this form of timer is required to reduce power consumption not settable by the user.

4.5 Reset Timer

KIP 3000 systems can be configured to revert to the Log-In screen after a predetermined time of inactivity. From this screen, users must enter a username and password before use (if required by system administrator).

4.6 Printer Density

Sets the printer density for all images, including copy and print jobs.



4.7 Default Mode

Sets which Screen will be the default Mode, Scan or Copy Mode dependent of the installation environment requirements.

4.8 Default Original Size – STF

Either Engineering or Architectural sizes can be set as the default width detection in Scan Mode. This will allow automatic width detection of either one of the two formats.

Engineering widths = 34, 22, 17, 11, and 8.5 inches
Architecture widths = 36, 30, 24, 18, 12, and 9 inches

4.9 Default Original Size – Copy

Either Engineering or Architectural sizes can be set as the default width detection in Copy Mode. This will allow automatic width detection of either one of the two formats.

Engineering widths = 34, 22, 17, 11, and 8.5 inches
Architecture widths = 36, 30, 24, 18, 12, and 9 inches

4.10 Copy and Scan Menu Defaults

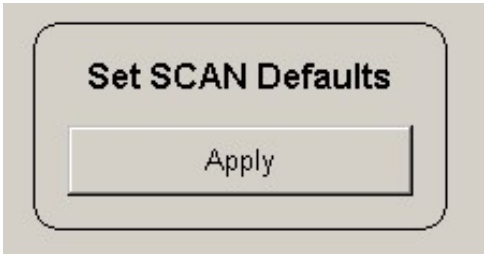
Each KIP 3000 system provides powerful options regarding the preferred condition of the system upon start up. KIP 3000 system operators may designate features to be active when the system is powered on to ensure fast use.

1) Set up copy or scan main menu to the desired active features

2) Access the configurations menu by depressing (?)

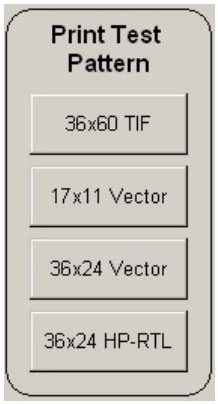
3) Select the “Configuration” button

4) Press the “Set Copy Defaults” or “Set Scan Defaults” button located on page 4.



5) Presets for either the Copy or Scan screens have now been designated.

4.11 Test pattern



A variety of test patterns may be printed from the KIP 3000 operator panel on an on-demand basis. The following four predefined test patterns are available to assist in pen table selection and overall quality verification.
36" x 60" tif – Used to test long printing and calibrate scan/copy operations
17" x 11" plt – Used to calibrate lead/trail edge settings
36" x 24" plt – Used to calibrate lead/trail edge settings
36" x 24" hprtl – Used to test output of mixed raster and vector data

4.12Shading

Allow the user to preform a white balance of the CIS if so required. This can remove unwanted lines or shades in the scanned or copied images.

If you are unsure of the function please contact your local service technician. Please follow the steps on the screen carefully if you undertake in this procedure..

4.13 Options

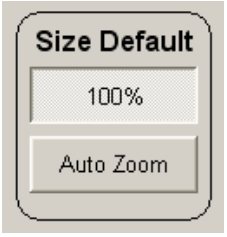
Enables options on the KIP 3000. Please contact your local dealer for more details and for the codes for your system.

> **⚠ NOTE**
> Incorrect codes will prevent your system from functioning. Please do not enter or modify the current code without your supervisors permission.

4.14 Network Settings

Please see Section 11 - Connectivity

4.15 Copy Zoom default



Sets the percentage of zoom from Auto or 100% in Copy Mode

4.16 Fold

Sets the system to accept fold parameter loaded by KIP Request and enables the pull downs on the screens. Please contact your local service technician for configuration of this feature.

4.17 Cut Sheet

Enables / Disables the cut sheet function, which may not be required in certain installation.

4.18 Interrupt

Allows the Interrupt button to function in the Copy Mode.

Enabled = allows the user to pause all network print jobs to allow copies to be printed first

Disabled = all copy jobs will be placed in the queue as the order they are received within any network print jobs.

4.19 STF Files Types

Selects the file types that can be chosen by the user in the Scan Mode.

4.20 Service

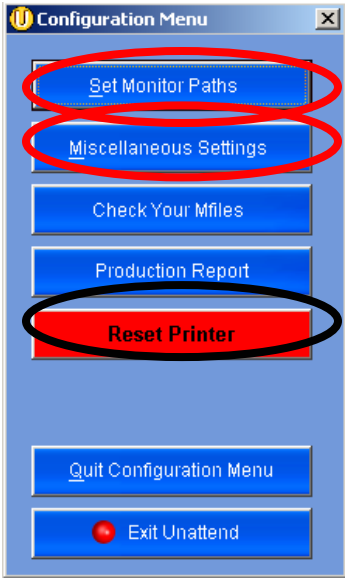
This button is password protected .This area is to be used by Authorized Service Technicians only.

Appendix

5.0 Print Queue Management

Configuration Menu

The first selection displayed underneath the print queue, the configuration button will call up a dialog box with five selections, which are:



Set monitor paths

Allows the user to set up to different paths for the Powerprint Unattend software to monitor for incoming print jobs.

Miscellaneous Setup

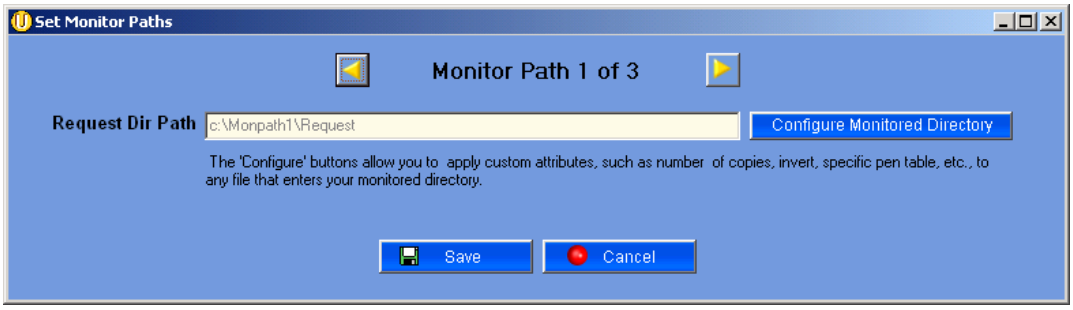
Allows the user to set up custom configurations of media defaults, copy density, password protection, etc. Variables within the miscellaneous configuration are discussed ahead in this section.

Reset Printer

Allows the user to quickly stop a process that is hung up. For instance if a file is not converting correctly the user can select "Reset Printer" from the Configuration menu and this will stop all processes being performed on this file and move on to the next file.

Set monitor paths

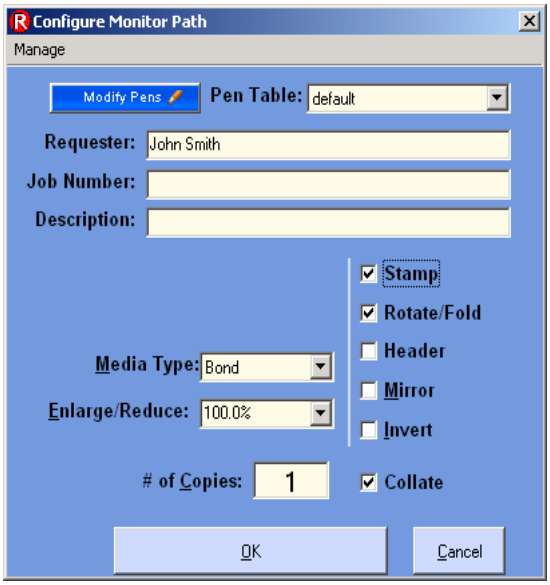
Allows the user to set up to different paths for the Powerprint Unattend software to monitor for incoming print jobs.


Set Monitor Paths
Monitor Path 1 of 3
Request Dir Path
c:\Monpath1\Request
Configure Monitored Directory
The 'Configure' buttons allow you to apply custom attributes, such as number of copies, invert, specific pen table, etc., to any file that enters your monitored directory.
Save
Cancel

Request Dir Path

This field contains the path statement Powerprint Unattend will monitor for print Requests. 'C:\Monpath1\Request' is the first request path and *should not be removed or modified*.

Configure Monitored Directory



Any files (raster, vector) or the KIP Job ticket can be sent to the C:\Monpath1\Request folder.

Individual files sent to this folder will use the KIP data folder that is user configurable.

'C:\Monpath1\Request' is a fixed path and CANNOT be changed.

The 'Configure' selection allows the user to apply custom attributes (number of copies, inversion, pen table information, Stamp information, header information, folding information and description for any job submitted for printing.

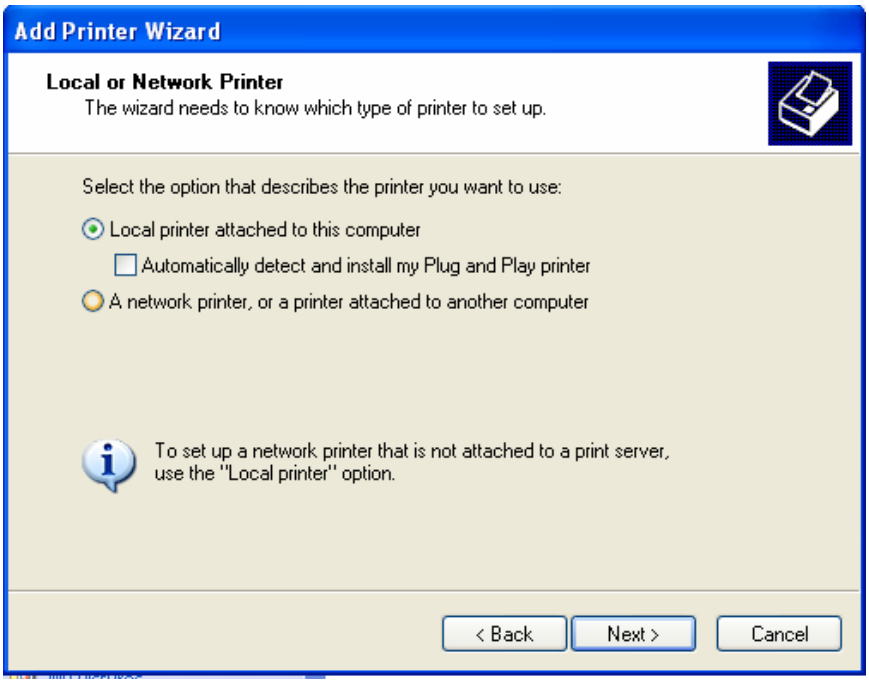
Monitor Path Selection Arrows
These arrows allow the user to toggle between the monitor paths currently setup on the controller.

Save
Allows the user to save monitor paths created in the set monitor path screen.

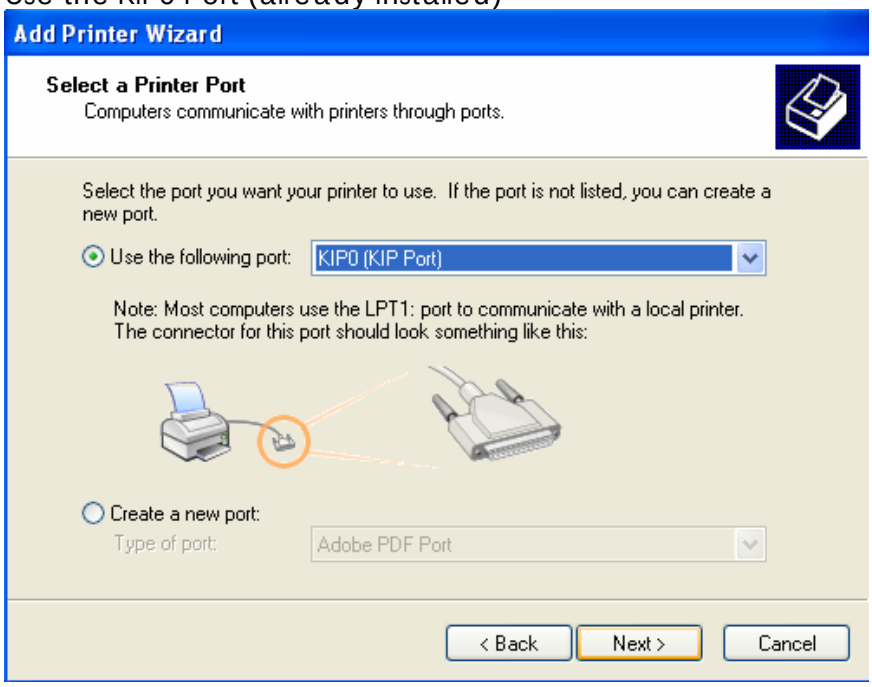
Cancel
Allows the user to exit the set monitor path screen and return to the configuration menu.

Creating Custom LPR Paths to be used with Unattend

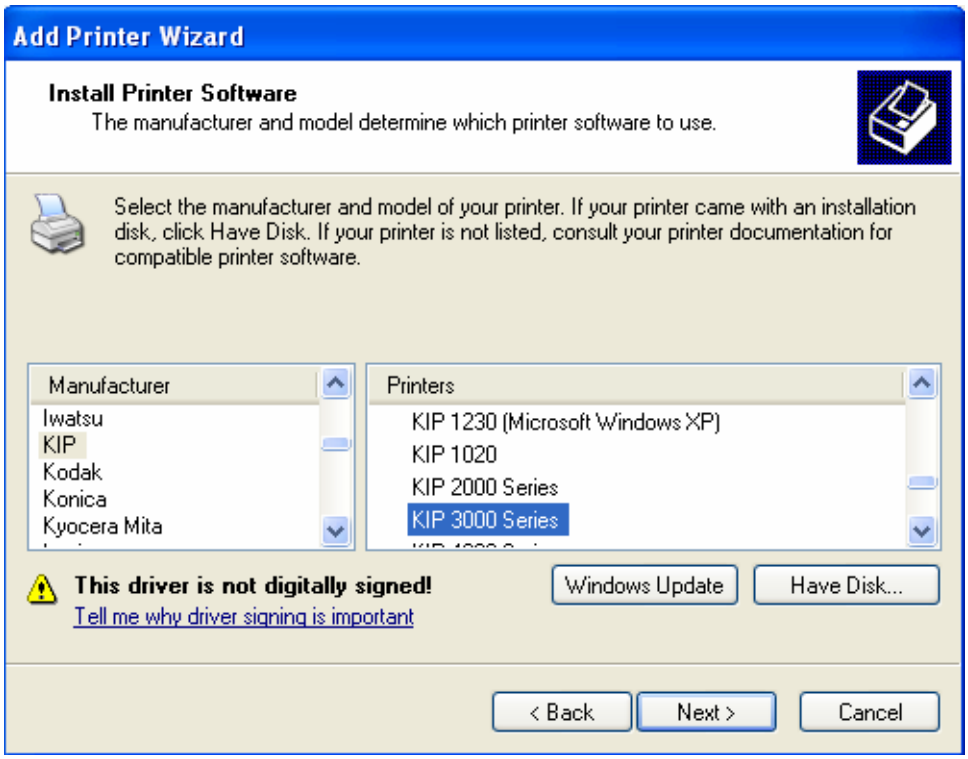
1. Set up new printer object on KIP IPS
    a. Add a printer wizard
    b. Select local Printer


Add Printer Wizard
Local or Network Printer
The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
Local printer attached to this computer
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back
Next >
Cancel

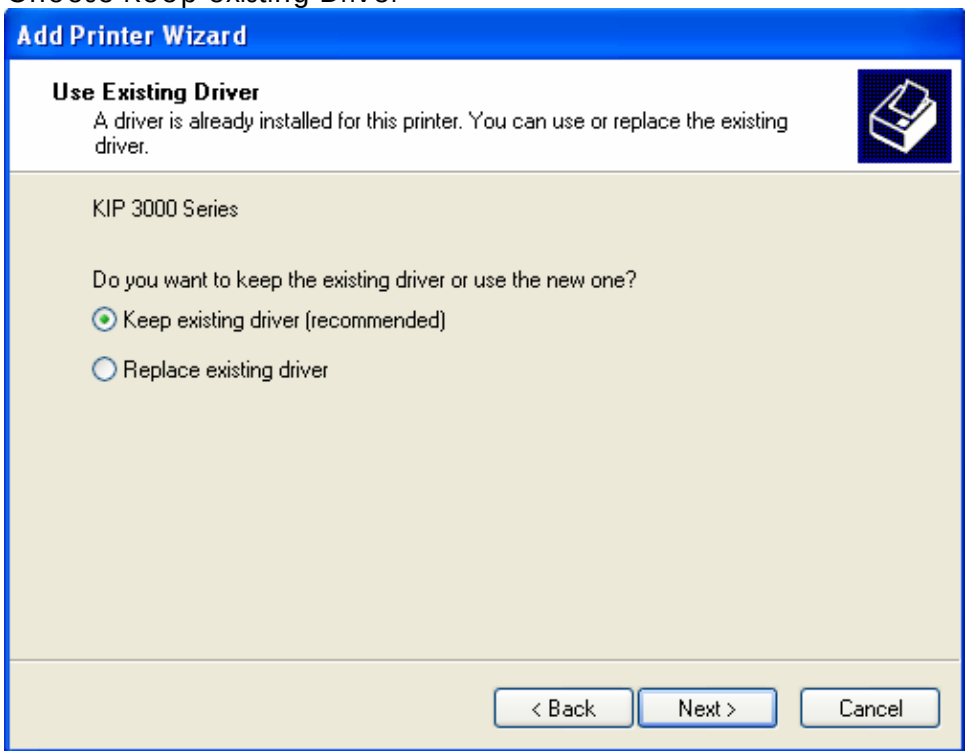
    c. Use the KIP0 Port (already installed)


Add Printer Wizard
Select a Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
Use the following port:
KIP0 (KIP Port)
Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:
Create a new port:
Type of port:
Adobe PDF Port
< Back
Next >
Cancel

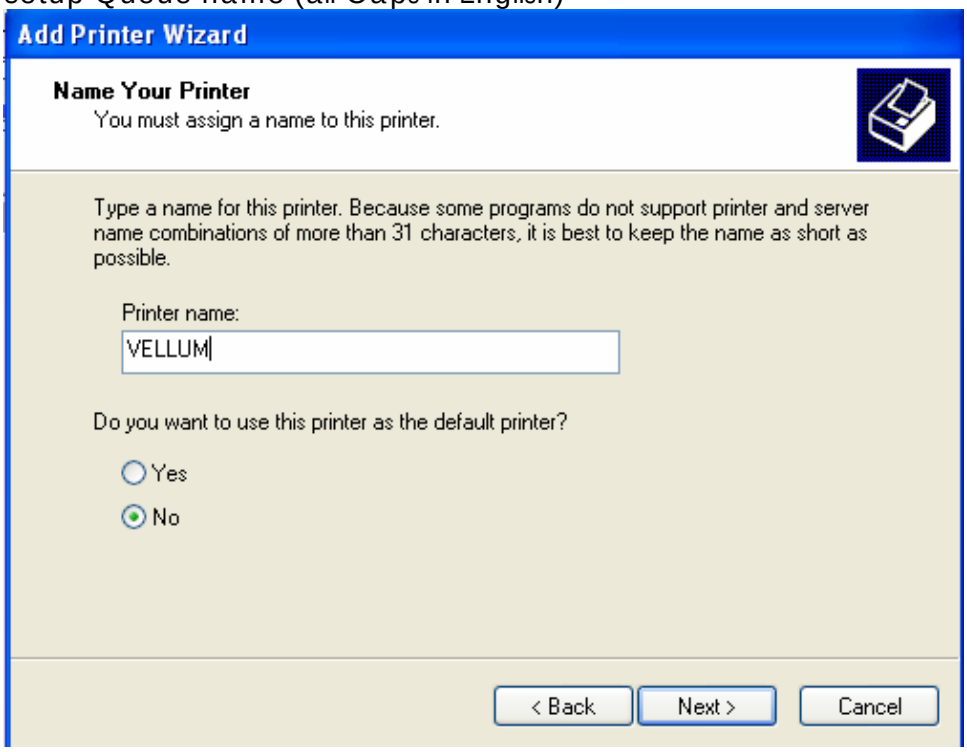
d. Select Printer Driver from List


Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturer
Iwatsu
KIP
Kodak
Konica
Kyocera Mita
Printers
KIP 1230 (Microsoft Windows XP)
KIP 1020
KIP 2000 Series
KIP 3000 Series
This driver is not digitally signed!
Tell me why driver signing is important
Windows Update
Have Disk...
< Back
Next >
Cancel

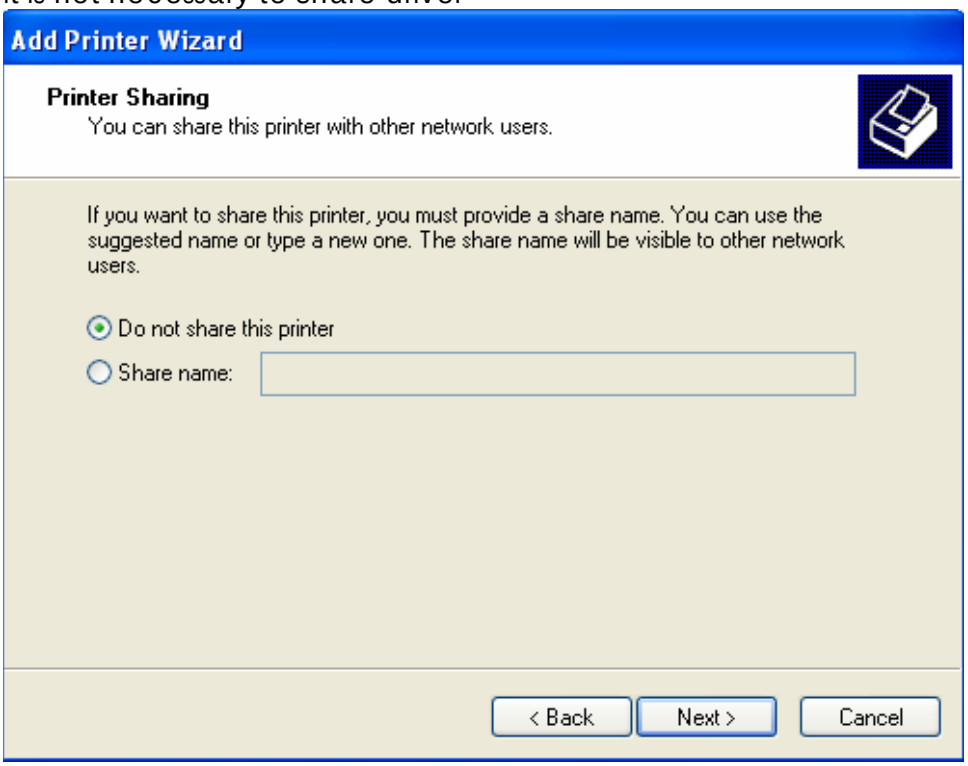
e. Choose Keep existing Driver


Add Printer Wizard
Use Existing Driver
A driver is already installed for this printer. You can use or replace the existing driver.
KIP 3000 Series
Do you want to keep the existing driver or use the new one?
Keep existing driver (recommended)
Replace existing driver
< Back
Next >
Cancel

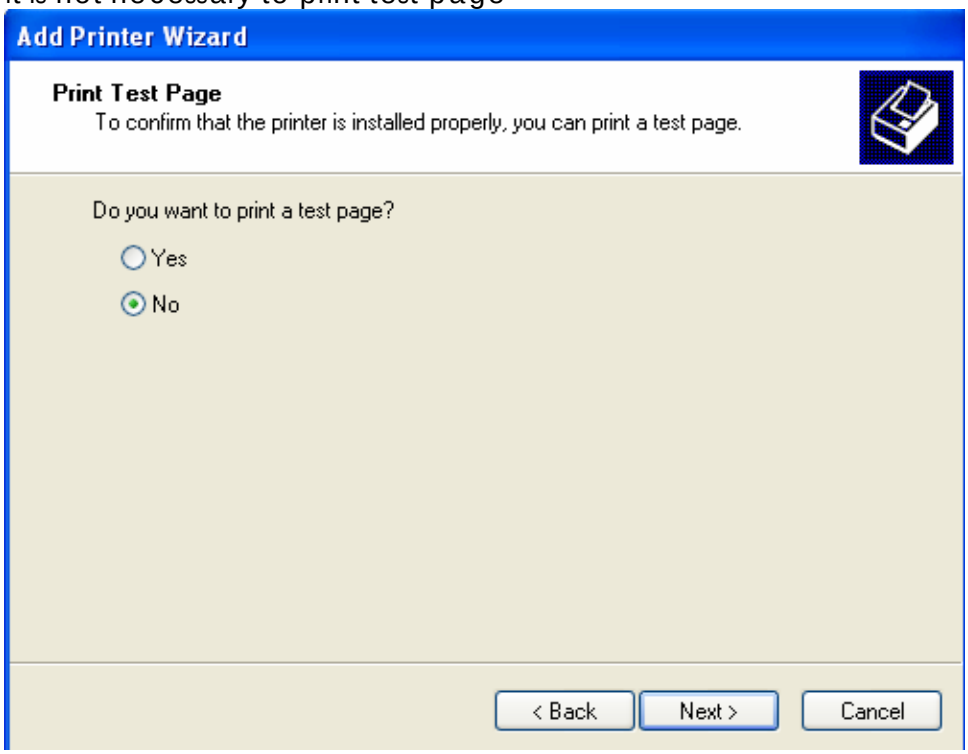
f. Setup Queue name (all Caps in English)


Add Printer Wizard
Name Your Printer
You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
Printer name:
VELLUM
Do you want to use this printer as the default printer?
Yes
No
< Back
Next >
Cancel

g. It is not necessary to Share driver

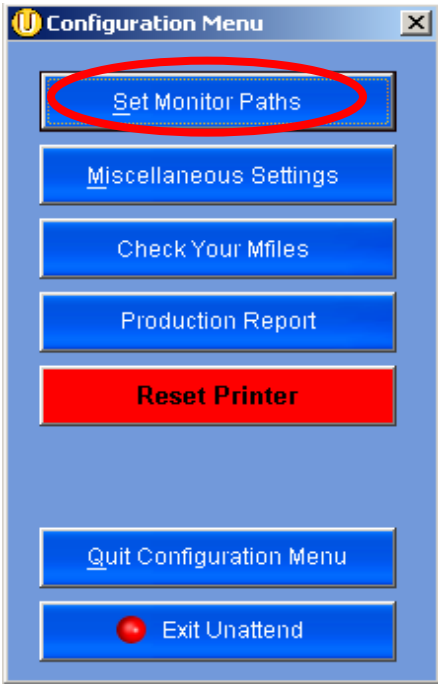

Add Printer Wizard
Printer Sharing
You can share this printer with other network users.
If you want to share this printer, you must provide a share name. You can use the suggested name or type a new one. The share name will be visible to other network users.
Do not share this printer
Share name:
< Back
Next >
Cancel

h. It is not necessary to print test page

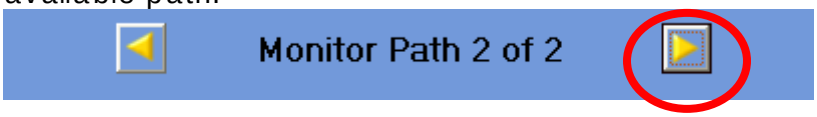

Add Printer Wizard
Print Test Page
To confirm that the printer is installed properly, you can print a test page.
Do you want to print a test page?
Yes
No
< Back
Next >
Cancel

2. Configure new queue (Printer Object) in the KIP Unattend software
   a. Launch the Unattend Software on the IPS Controller
   b. Select Configuration

c. Select Set Monitor Paths

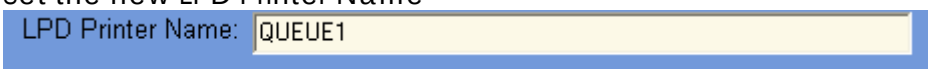


d. Select the Right Arrow Button to Change the path to the Next available path.

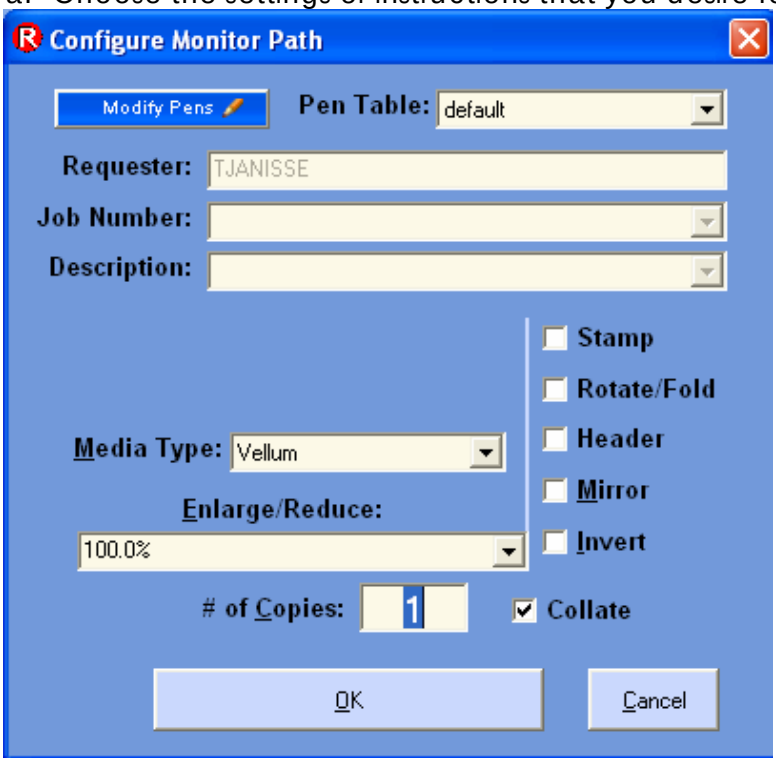


e. Set the new LPD Directory Path

f. Set the new LPD Printer Name



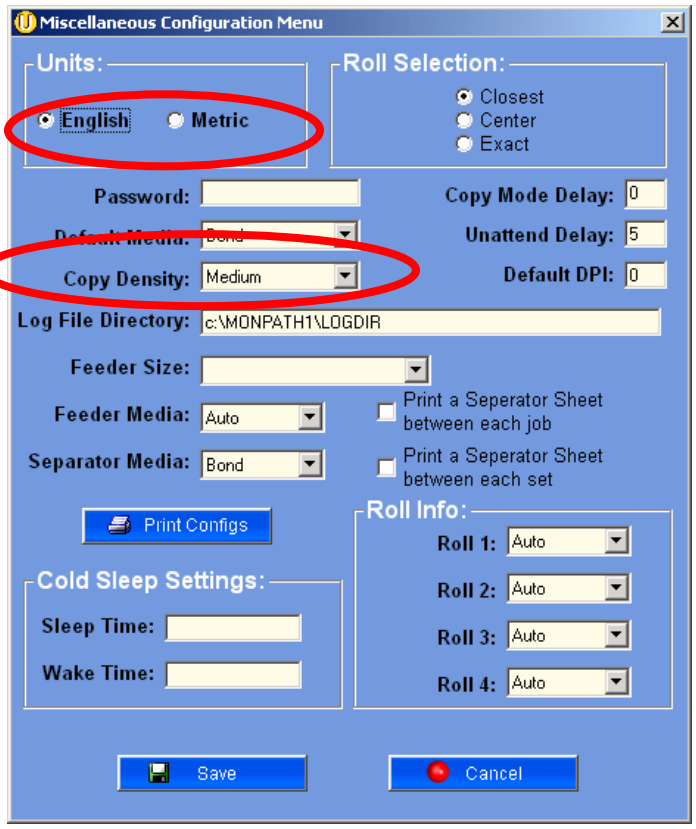
3. Configure the LPD Queue Directory (instructions for the Queue)
    a. Choose the settings or instructions that you desire for this Queue.



4. Save Changes (click Ok)
5. Send Test files with LPR command
    a. LPR –SK3K -PVELLUM File.plt (in this example “VELLUM” is the queue name you created and “File,plt” is the name of your file)

Miscellaneous Setup

Allows the user to set up custom configurations of media defaults, copy density, password protection, etc. Variables within the miscellaneous configuration include:



English / Metric
Allows the user to set the controller to read either English or Metric standards of measurement.

Log file directory
Allows the user to set a directory in which the Printer status and accounting data should be stored.

Cold Sleep Settings
These settings are to be set in the KIP 3000 User Interface.

Separator Media
Type of media on which the separator sheet should print can be specified here.

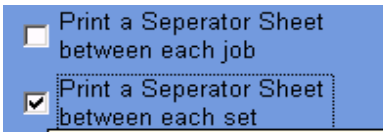
Print Configs
Allows the user to print all configuration files (.INI files) with the touch of a button.

sleep when there's no apparent printing that's needed, or can set up time for the printer to wake up. By default, the printer will start warming back up anytime a Job / file arrives at a monitored path for printing. It will resume cold sleep 15 minutes later.

Roll selection
Allows the user to print their documents on the closest size media loaded in the machine, or to the 'Exact size' media. If the user has this option set to exact, the job will not print out until the correct size media is loaded into the machine.

Unattended delay
Allows the user to adjust the time interval (in seconds) in which the Powerprint Controller will seek the monitor paths for files to be printed out.

Print Separator Sheet
Users can choose to print a separator sheet between each job, or between each set. This feature has been found to be very useful for users of KIP folding and finishing systems.



Roll info
Allows the user to override the media in a specific drawer of the printer, or the printer can be set to automatically detect the media loaded into a drawer.

Save
Allows the user to save changes made to the miscellaneous setup.

Cancel
Allows the user to exit the miscellaneous setup screen and return to the configuration menu.

Section 6

Windows Driver

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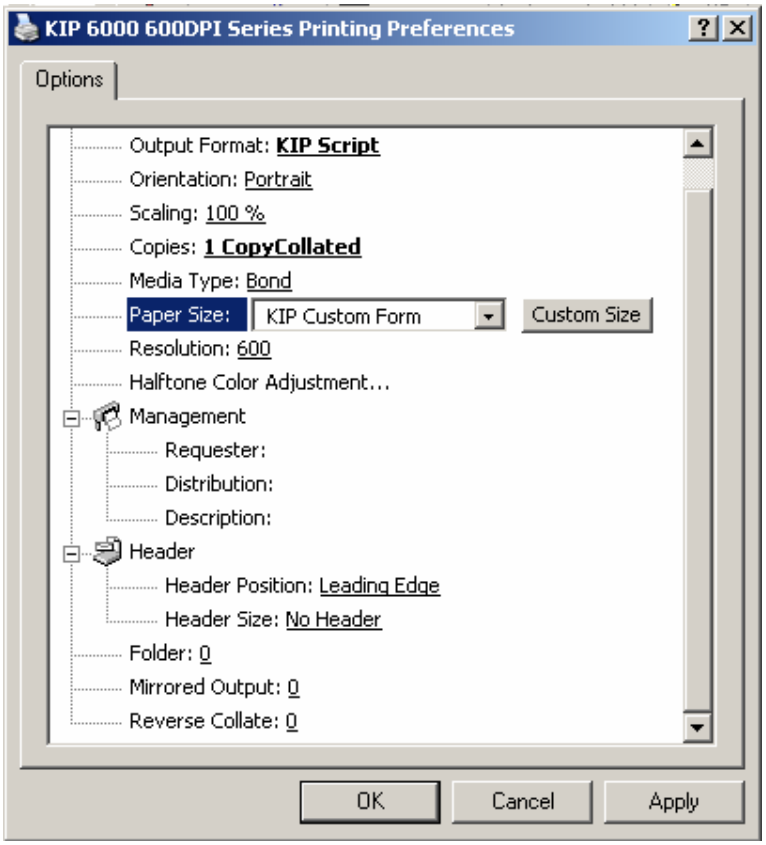
1. 0 Introduction

1.1 Introduction

The **K**IP **U**nified **W**indows **P**rinter **D**river (KUWPD) allows windows printing from Microsoft Windows NT4 / 2000 / XP Operating systems as well as 2003 Server based applications.

The KIP Unified Windows Printer Driver is available for download from your local KIP website and is also supplied with your KIP 3000 Printer on the software CD.

1.2 Option Screen - Overview



Commencing from the top of the layout above, these are the main features on the KUWPD

Name	Feature / Function
Output Format	Selects the type of “language” for driver output
Orientation	Rotation of the page
Scaling	Allows scaling of an image to the page size if not supported in the application.
Copies	Selects the total number of prints
Media Type	Selects the output media type
Paper Size	Selects the page size from standard sizes or create a custom page size.
Resolution	Select the resolution to match the printer DPI
Halftone Color Adjustment	Allows dither pattern change from various colors from the within an application to the printed document.
Management	Allows accounting to be used from windows applications.
Header	Places a text header on the print for quick document identification
Folder	Allows the document to be folded (with optional folder)
Mirrored Output	Mirrors the image on the print
Reverse Collate	In a multi page document, reverse the print order

2. 0 Function Details

2.1 Output Format

The KUWPD improves support for many Windows applications by providing dual output printer language capabilities. Selecting the *Output Format* in "Printing Preferences" or "Document Defaults" (NT4), *before* entering an application will select the proper output method.

KIP GL Output Format

The first output format the KUWPD is capable of is KIP GL (HPGL2/HP-RTL). CAD applications that may not have a compatible driver available can utilize KIP GL and achieve improved quality. The KIP GL output can be further enhanced by making changes to the Pen Table on the KIP Controller. Features already in the Default Pen Table on the KIP Controller such as Line Width Compensation and RTL Dither allow users to achieve improved quality when using the KIP GL output format.

KIP Script Output Format

The user can choose KIP Script (Postscript output) when printing from applications that function best when outputting Postscript data. For example; Adobe Acrobat functions best when using Postscript output, especially on images larger than E-size (Acrobat 6). Other graphics applications including MS-Word, Powerpoint, and Excel also work very well with KIP Script output. The KIP Script data can be smaller in file size and transmits quickly over networks.

NOTE

The KIP PDF Powerscript^3 option is required for printing KIP Script data. Please contact your local KIP reseller for details.

NOTE

When using the KIP GL output format, the Default.PEN - Pen Table at the KIP Controller will also control some of the printing features. Features such as **Vector Line Dither Pattern**, **RTL Raster Dither**, **RTL Density**, **Line Width Compensation** are used during conversion for printing. These settings must be configured PRIOR to opening the KIP Unattend print queue.

NOTE

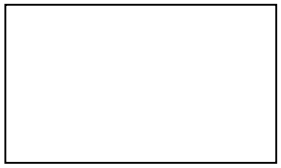
Certain applications work better depending on the *Output Format*.

- Applications using heavy raster or photographic data work best with KIP Script type output. Examples: Adobe Acrobat products, Adobe Illustrator Products, Adobe Photoshop Products and Corel Draw based products.
- Microsoft applications generally work well with either output format. Examples: Microsoft Word, Excel, Project.

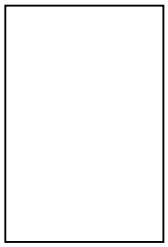
2.2 Orientation

There are two types or Orientation in the KIP driver: Landscape and Portrait.

Examples:



Landscape



Portrait

Selection of the orientation should take into account the design or layout from within the application. If an incorrect orientation is selected the page size can be “rotated” incorrectly and image may be lost in the final printed output.

2.3 Scaling

Many Windows applications have their own scaling capabilities built into the "print menu". For example: Spicer and MS PowerPoint allow for some form of “Scale to Page” type feature. Some Windows applications such as MS Word and MS Excel do not allow for scaling to engineering and architectural wide format paper sizes. The “Scaling” feature in KUWPD allows the user to set a percentage to enlarge the document to fit the paper size desired when scaling is not included in the application.

Example:

No scale used

scale applied to enlarge image

2.4 Copies

Select the total number of copies you wish to print. The range is from 1 to 999.

2.5 Media Type

The KIP printer may have more than one media type installed. These types may include bond, vellum and film. This feature allows printing onto a media type of your choice of an installed kind.

2.6 Paper Size

Select the output page size. Please note that the KIP printer may have a roll installed that may be larger than the selection.

This is a feature that is very important in wide format printing from CAD applications and MS Excel. This is a feature that is required in CAD applications where the image size may vary from one image to the next such as: 36" x 60" for the first document then 24" x 80" for the next.
The Custom Size feature allows the users much simpler access for several capabilities:

1. Choose any paper size "on-the-fly" without adding new paper sizes to the operating system (Printers and Faxes→Server Properties→Forms).
2. Choose different and non-standard paper sizes for each and every document.
3. Choose very long paper sizes.
4. It is not necessary to exactly match the document length to the output length; the users can intentionally choose a longer length for the media size. For example, if the image is meant to fit on 36" wide media, but the user isn't sure about the length of the media required, the user can set a very long length (up to 200 feet) and the "white" space (extra paper) at the end of the document will automatically be removed. This prevents any waste in media without an image (KIP GL)

2.7 Resolution

Final output can be changed from 400 DPI to 600 DPI. Please select the DPI to match your printer DPI.

> **NOTE**
> The KIP 3000 is a 600 x 600 DPI device.

2.8 Halftone Color Adjustment

The KIP driver can be adjusted to allow colors from within your application to have different variance of shading. This provides the ability to increase or decrease the level of overall contrast of the grey tones on final output. Adjust the level as required to satisfy your final product requirements.

2.9 Management

The KIP 3000 has the ability to account for each print produced. This allows for job/department costing. Three fields exist in the driver to allow the user to include this information. This information may be mandatory if so desired at the time of driver installation. These fields may also include "drop menu" which allows the user to select from a list of predetermined accounting information. A password or PIN may also be used to only enable authorized users to submit prints.

The fields can be customized for individual company needs, but generally speaking these fields are:

a) Name
b) Job Number
c) Description

Name, Job Number and Description fields under "Printing Preferences" or "Document Defaults (NT4)" can be set to use operating system environment variables.

Examples: The *Requester* field can be set to %Username%

The Description field can be set to %Computername%

2.10 Header

To easily recognize printed documents, text can be placed on the top of bottom of the print. The text header includes all the “Management” information as well as the file name.

2.11 Folder

If an optional folding device is installed onto the printer, select fold to allow the printer to determine which fold table to apply to the document. The patterns must be set by the technician in the KIP 3000 IPS.

2.12 Mirrored Output

The image can be mirrored as required by the user. This may be needed on translucent media or for other specialty applications.

2.13 Reverse Collate

If the document to be printed contains more than one page, collation may be important. To allow the pages to be reversed printed (last page first), select this function. Please note that the application must also support multiple page printing.

3.0 Installation

3.1 Prerequisites

Requirements at the Network Server or User Workstations

a) The **K**IP **U**nified **W**indows **P**rinter **D**river (KUWPD) allows windows printing from Microsoft Windows NT4 / 2000 / XP Operating systems as well as 2003 Server based applications. (Windows 9x is not supported)
b) Please ensure that your applications are as up-to-date as possible, in terms of version, available service packs, and hot fixes. This also includes the OS
c) If you are updating your system from a previous installation, you will likely need the assistance and/or permission of a Network Administrator to remove the previous KIP Driver. Be sure to understand that any users connected to the previous shared version of the KIP Printer Driver on the Server, IPS, or Workstation will need to also remove that printer object and reconnect to the newly shared driver which will be installed.

KIP **U**nified **W**indows **P**rinter **D**river (KUWPD) offers HPGL2/HP-RTL and Postscript Language printing to KIP digital printers from Microsoft Windows NT4 / 2000 / XP / 2003 based applications (Windows 9x platforms not supported). The driver can be downloaded from your local KIP website and is included on your KIP 3000 Software CD.

KUWPD contains:

- printer driver files
- an installation utility **(Printman.exe)**
- a dedicated printer port monitor (KIP0) for Microsoft operating systems as described in the following pages.
- Once the KUWPD has been downloaded and uncompressed, the files can be placed directly on the workstation or server to which it will be installed or on a USB drive or CD. See **Appendix A** for details on the files and file structure.

For new installations on a Workstation or Server see:
"Installation Process"

For updating from a previous installation of a KIP Printer see:
"Upgrade Installation"

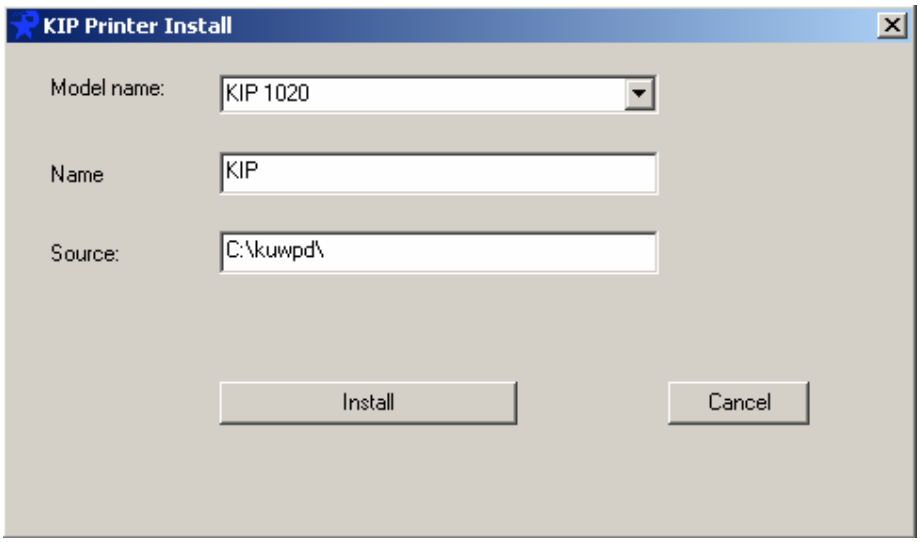
3.2 Installation Process - Automatic

KIP **U**nified **W**indows **P**rinter **D**river (KUWPD) can be installed on Microsoft Windows NT4, 2000, XP, 2003 platforms (Windows 9x platforms not supported) by using the provided **printman.exe** utility or by manually adding a port monitor (monitor.inf) and printer driver (plotter.inf). In both cases, Local Administrative rights are necessary.

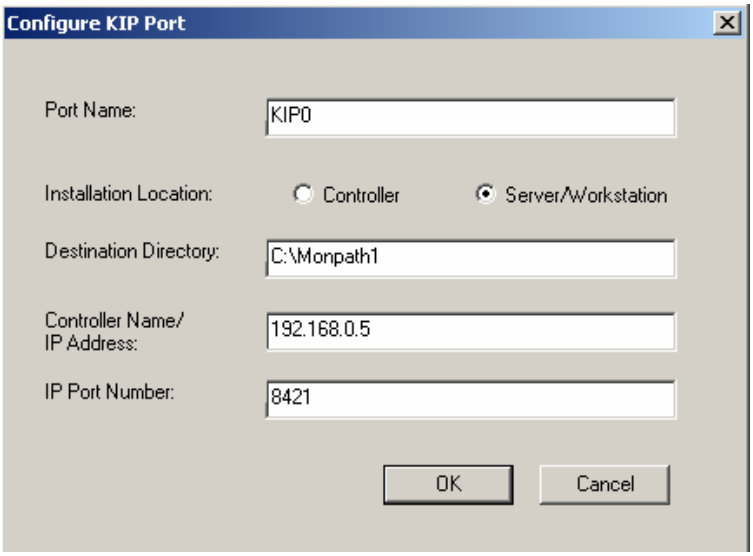
Printman Utility Installation Method:

Once the KUWPD has been downloaded and unzipped, the files can be placed directly on the workstation or server it will be installed at or on a USB drive or CD. See **Appendix A** for more information on the files and structure.

a) Execute **printman.exe** from a Microsoft Windows NT4, 2000, XP, or 2003 operating system. An installation window is displayed:



b) Select the appropriate KIP Printer from the *Model Name* drop down selection. (kip 3000) Do not change the *Name* and *Source Fields*
c) Select *Install*. KIP printer port monitor is now installed.
d) The following screen will appear.



e) Do not change *Port Name*

f) Choose *Server/Workstation* from *Installation Location*

g) Do not change *Destination Directory*

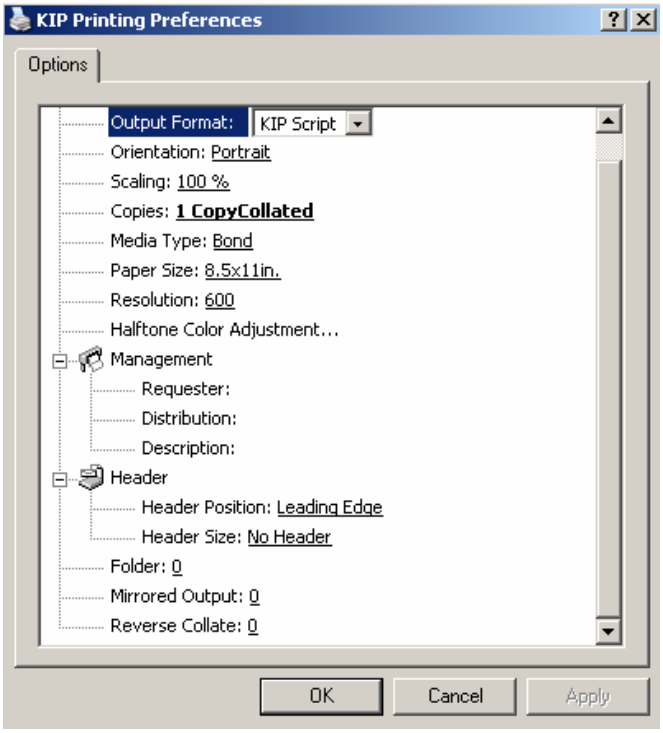
h) Provide the IP address **OR** hostname of your KIP printer for *Controller Name / IP Address.* It is important to add EITHER the hostname OR the IP address. Do not add both. This is the destination address.

i) Do not change *IP Port Number*

j) Click *OK.* The selected KIP Printer Driver is added to the system and assigned to the Printer Port monitor (KIP0).

k) Installed printer can now be accessed from the Microsoft Printer Control Panel. If printer is not seen, press F5 to refresh the printer list

l) Right-Click "KIP Printer" and select *Printing Preferences*. User Interface is displayed. For Microsoft Windows NT4, select *Document Defaults*



m) The following settings will determine the initial defaults for the printer driver. These defaults will be acquired by client workstations connecting to the shared printer driver. Please note that some workstations may not be able to alter the Printer Preferences unless allowed by the network login.

n) Select desired *Output Format** and make your selections for default paper size, orientation, *Management* functions*, and Header information.

o) Click *OK* when finished.

p) Share the printer to other network clients if required.

3.3 Installation Process - Manual

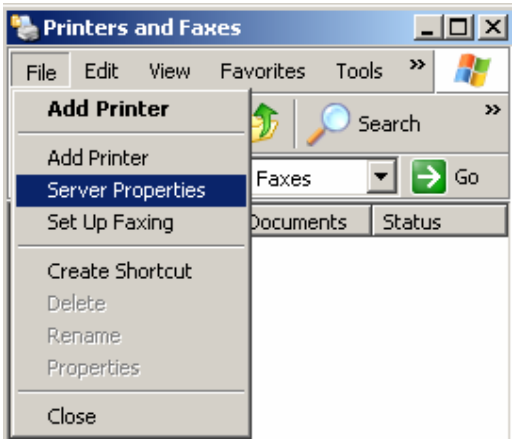
The **printman.exe** utility is designed to automate the installation of the KIP Port Monitor (KIP0) and the KIP Unified Windows Printer Driver (KUWPD). It is possible to install both components manually. Manual installation techniques may be necessary to satisfy IT and/or corporate requirements.

a) Depending on your operating system, locate the appropriate folder that contains the monitor.inf for your system platform.*

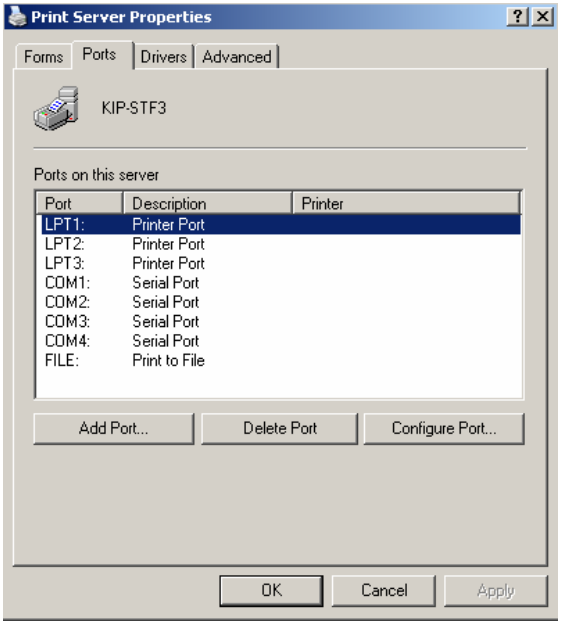
KUWPD \ WINNT4 = Microsoft Windows NT 4 Workstation / Server
KUWPD \ WIN2000 = Microsoft Windows 2000 Workstation / Server
KUWPD \ WINXP = Microsoft Windows XP, Microsoft Windows 2003 Server

* Alternatively, you can use the Microsoft Standard TCP/IP port monitor (configured for LPR/LPD), however some functionality and transport speed will be lost. See *Printing Hints* section in Appendix.

b) From the Printers control panel, select *File*, *Server Properties.*

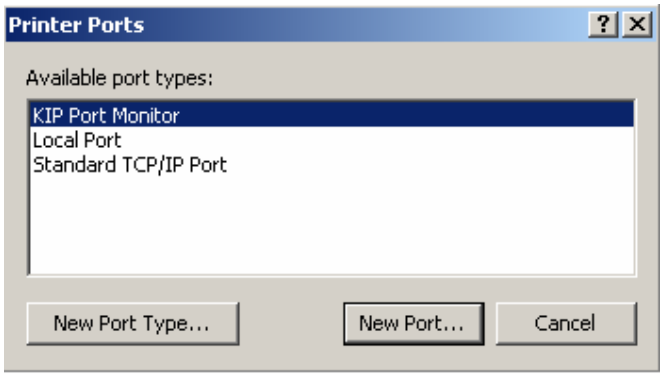


c) Print Server Properties is displayed. Select *Ports* from available tabbed headings.



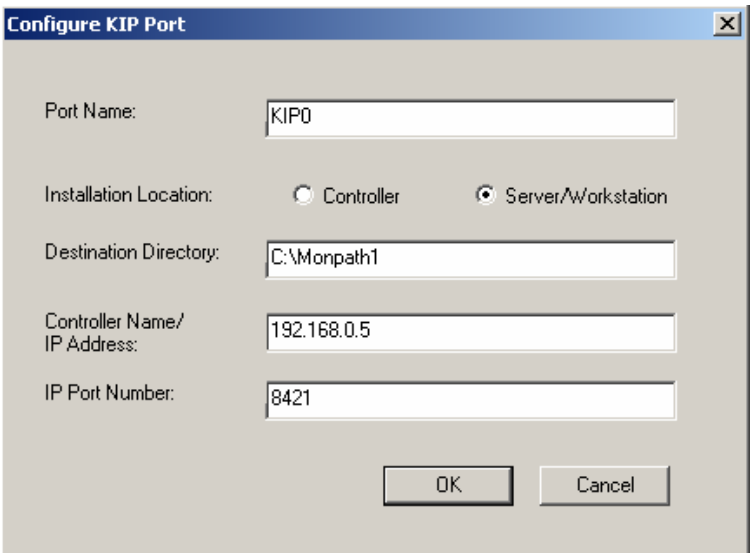
d) Select *Add Port.* Printer Ports dialog is displayed. Select *New Port Type.*

e) Browse to the appropriate operating system folder from the KUWPD distribution, and select monitor.inf. *Select OK. KIP Port Monitor* is added to Available Port Types.



f) Select *KIP Port Monitor* and click *New Port.*

g) Configure KIP Port:



f) Do not change *Port Name* unless required*
* For multiple KIP printers, create an additional KIP Port per printer named KIP1, KIP2, KIP3….

g) Choose *Server/Workstation* from *Installation Location*

h) Do not change *Destination Directory*

i) Provide the IP address **OR** hostname of your KIP printer for *Controller Name / IP Address.* It is important to add EITHER the hostname OR the IP address. Do not add both. This is the destination address

j) Do not change *IP Port Number*

k) Click *OK.* Port Monitor is now configured. Exit Print Server Properties.
l) Continue printer installation by using Add-Printer-Wizard.

3.4 LPR / LPD Port

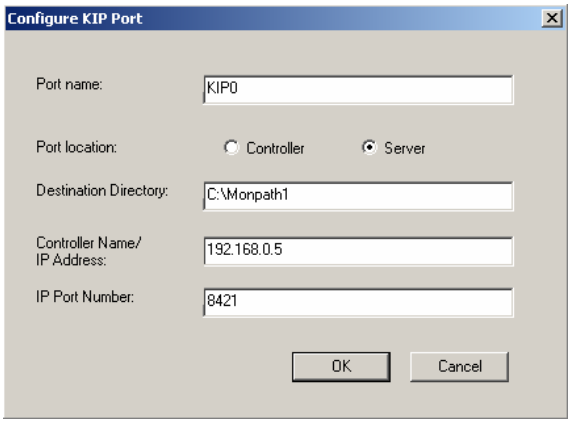
The Microsoft provided TCP/IP Port Monitor can be used as an LPR/LPD type of port instead of the KIP0 port. During configuration of TCP/IP Port Monitor, LPR must be used, with *LPR Byte Counting* enabled. LPR/LPD implementation requires a *Queue Name* to be defined. Use KIP as the queue name, in all uppercase lettering. This is the share name of the printer object on the KIP IPS by default.

3.5 Upgrade Process

Obtaining the Windows Driver Information if the KIP 3000 replaces another KIP system

For your current Windows Driver Setup, please obtain the following information prior to removing or uninstalling any component.

Obtain your current Windows Driver Configuration. In your Windows Driver, go to **Properties**, **Ports** and locate your information for the KIP0 port. Complete information within the table provided.



Port Name	
Port Location	
Destination Directory	
Controller Name / IP Address	
IP Port Number	

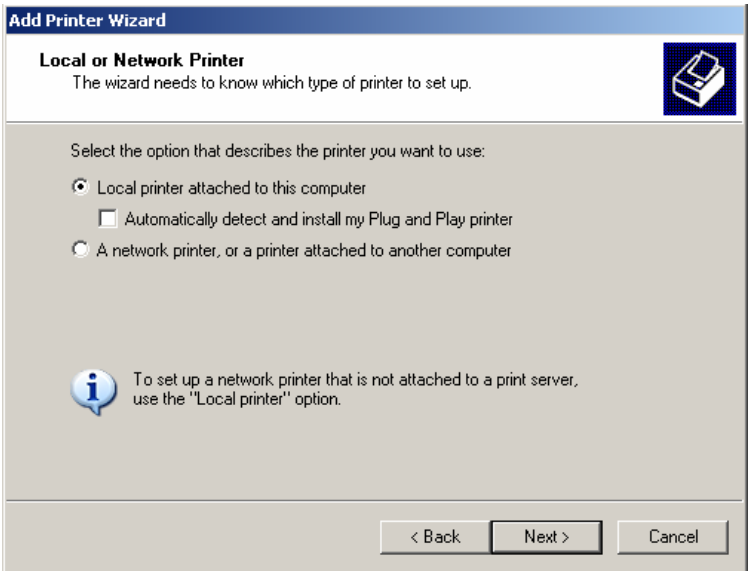
KIP Unified Windows Printer Driver (KUWPD) can be upgraded from previous versions of KIP Windows Printer Drivers on Microsoft Windows NT4, 2000, XP, 2003 platforms by manually adding the new printer driver (plotter.inf) to an existing KIP0 port. Local Administrative rights are necessary.

a) Delete existing KIP printer driver object(s) from the Control Panel, Printers menu at the workstation(s) / server(s).

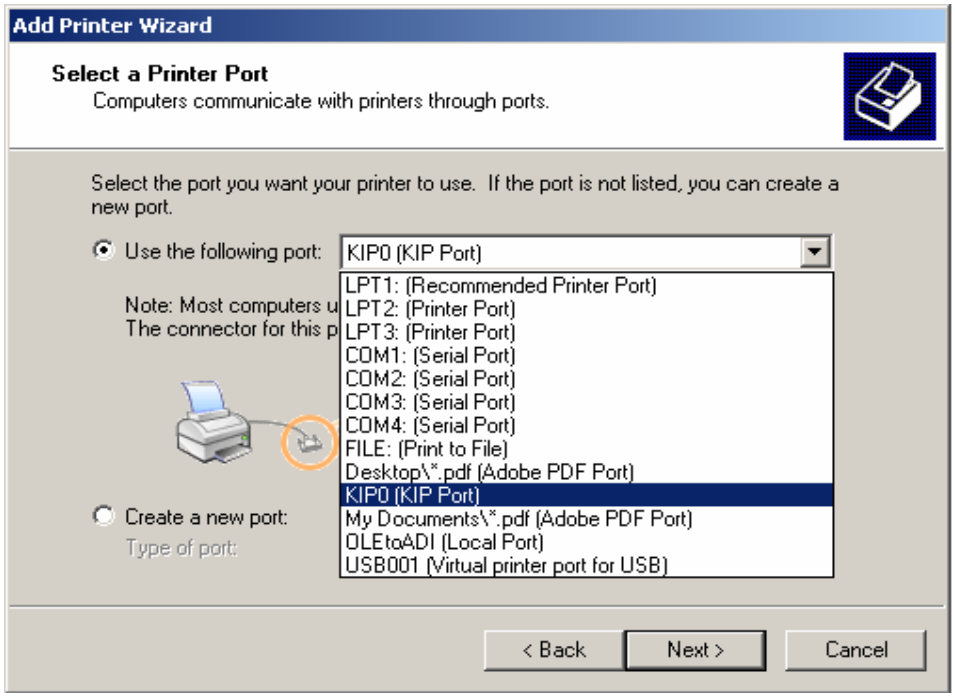
b) Once the KUWPD has been downloaded and unzipped, the files can be placed directly on the workstation or server it will be installed at or on a USB drive or CD. See **Appendix A** for more information on the files and structure.

c) From the Control Panel, Printers menu select “Add Printer”. When the Printer Wizard dialog is displayed* select *Local printer attached to this computer.* Click *Next*

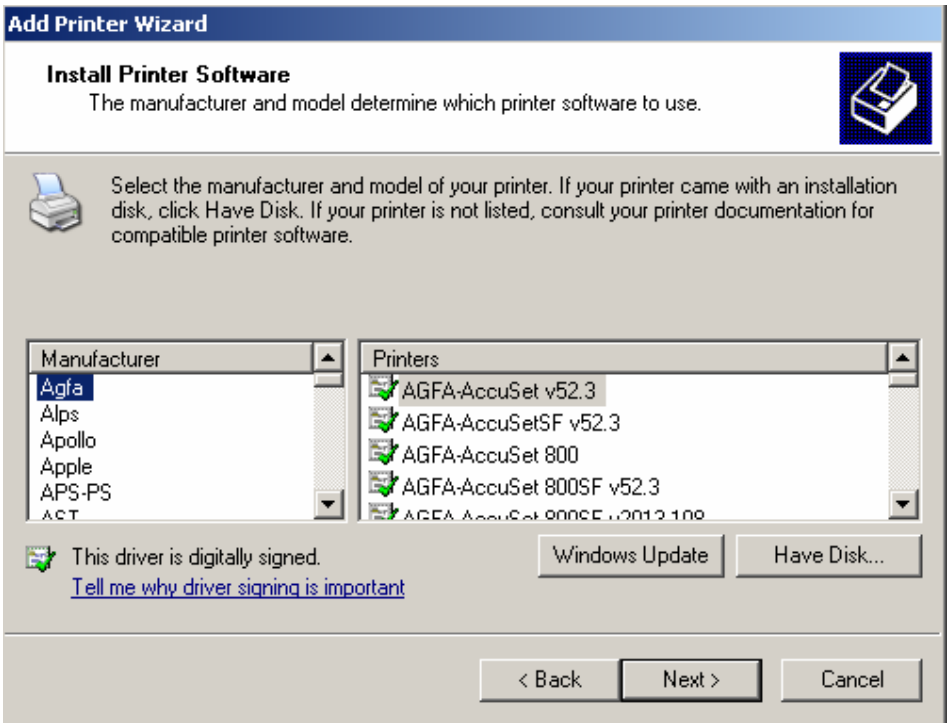
* Microsoft Windows NT4 screens will vary slightly from those shown


Add Printer Wizard
Local or Network Printer
The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
Local printer attached to this computer
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back
Next >
Cancel

d) Select *Using the Following Port*, and assign *KIP0,* or use *KIP1, KIP2* depending on the installation. Select *Next*.


Add Printer Wizard
Select a Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
Use the following port:
KIP0 (KIP Port)
Note: Most computers u
The connector for this p
LPT1: (Recommended Printer Port)
LPT2: (Printer Port)
LPT3: (Printer Port)
COM1: (Serial Port)
COM2: (Serial Port)
COM3: (Serial Port)
COM4: (Serial Port)
FILE: (Print to File)
Desktop*.pdf (Adobe PDF Port)
KIP0 (KIP Port)
My Documents*.pdf (Adobe PDF Port)
OLEtoADI (Local Port)
USB001 (Virtual printer port for USB)
Create a new port:
Type of port:
< Back
Next >
Cancel

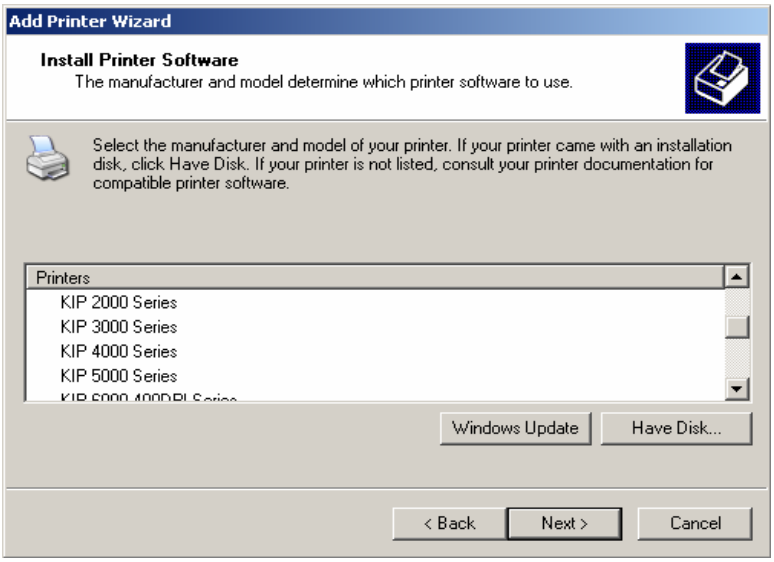
e) Install Printer Software dialog is displayed. Click *Have Disk.*


Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturer
Agfa
Alps
Apollo
Apple
APS-PS
Printers
AGFA-AccuSet v52.3
AGFA-AccuSetSF v52.3
AGFA-AccuSet 800
AGFA-AccuSet 800SF v52.3
This driver is digitally signed.
Tell me why driver signing is important
Windows Update
Have Disk...
< Back
Next >
Cancel

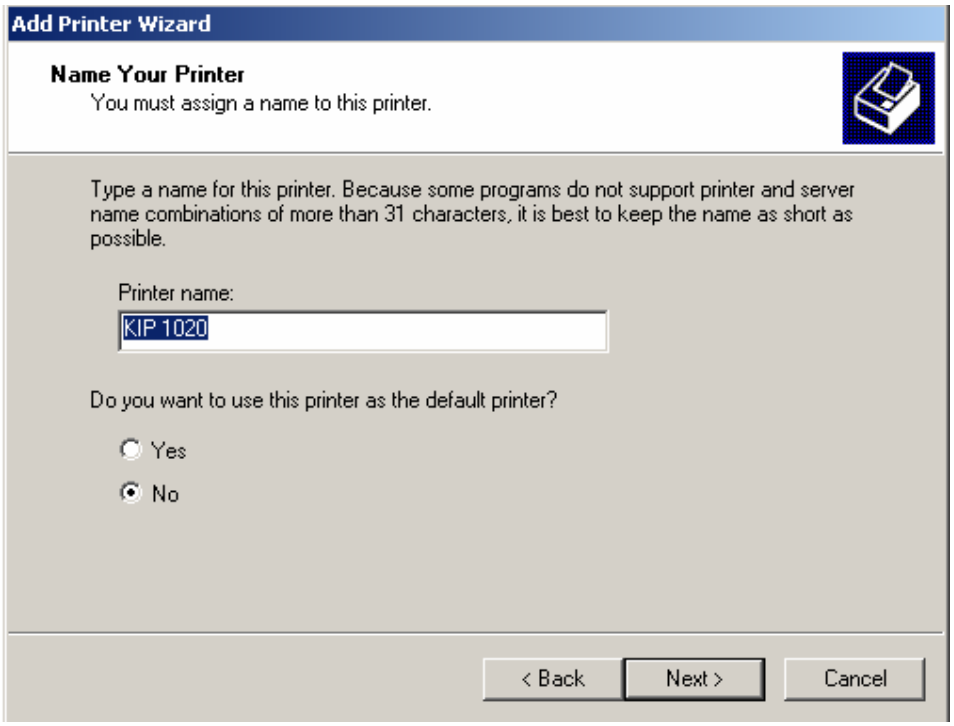
f) Depending on your operating system, locate the appropriate folder that contains the plotter.inf for your system platform.

KUWPD / WINNT4 = Microsoft Windows NT 4 Workstation / Server
KUWPD / WIN2000 = Microsoft Windows 2000 Workstation / Server
KUWPD / WINXP = Microsoft Windows XP, Microsoft Windows 2003 Server

g) Select the appropriate KIP Printer from the list displayed. Click *Next*

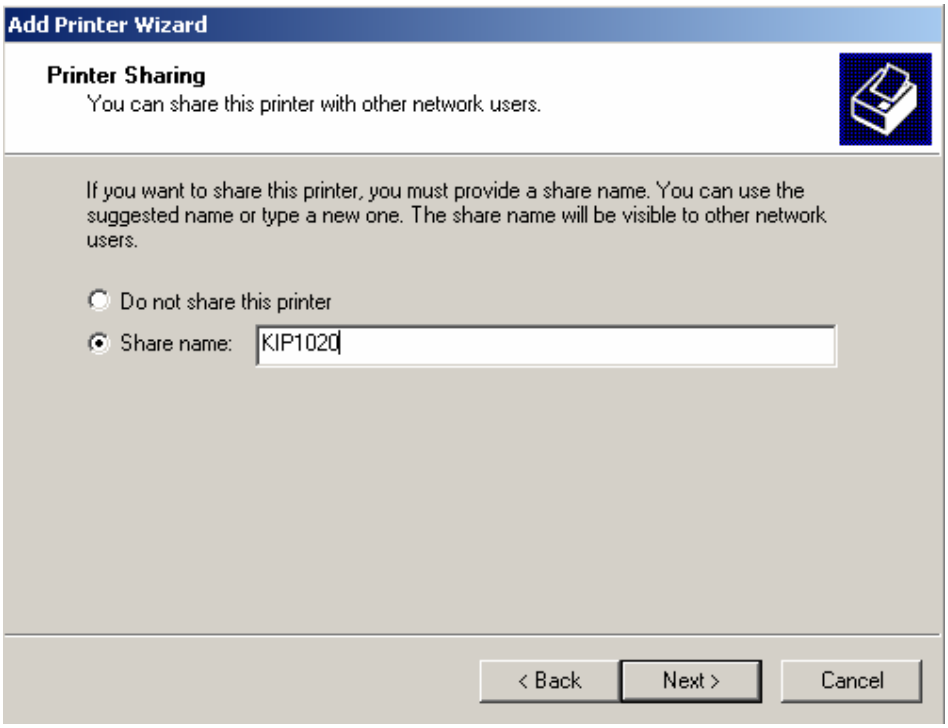

Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Printers
KIP 2000 Series
KIP 3000 Series
KIP 4000 Series
KIP 5000 Series
Windows Update
Have Disk...
< Back
Next >
Cancel

h) Provide a Printer Name when prompted. Select *Next*.

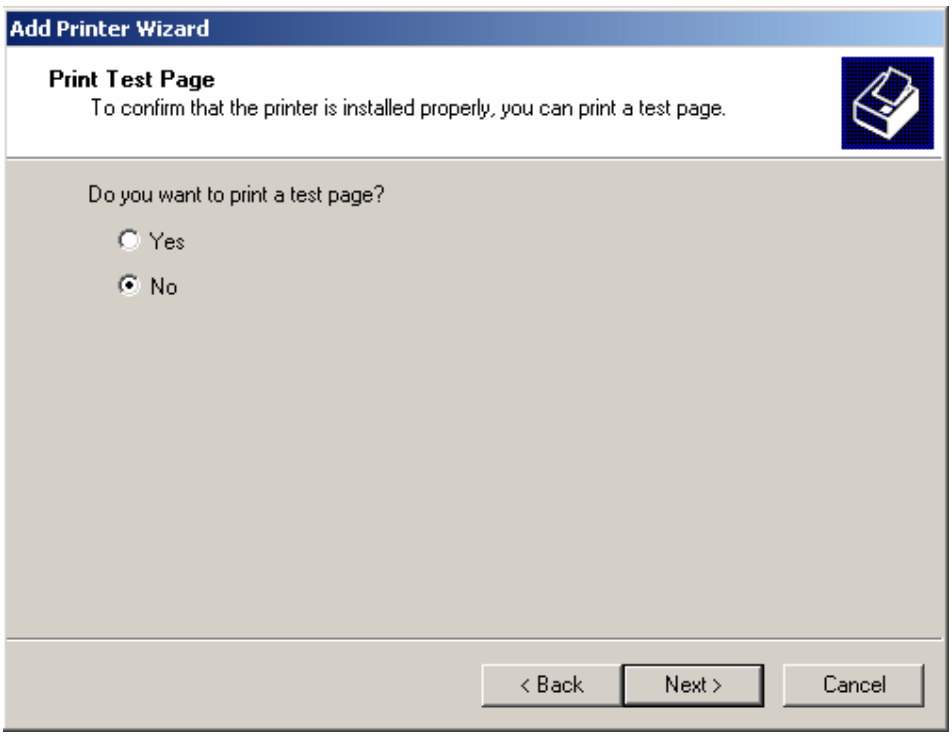

Add Printer Wizard
Name Your Printer
You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
Printer name:
KIP 1020
Do you want to use this printer as the default printer?
Yes
No
< Back
Next >
Cancel

i) Assign a shared name (if applicable)*. Select *Next*

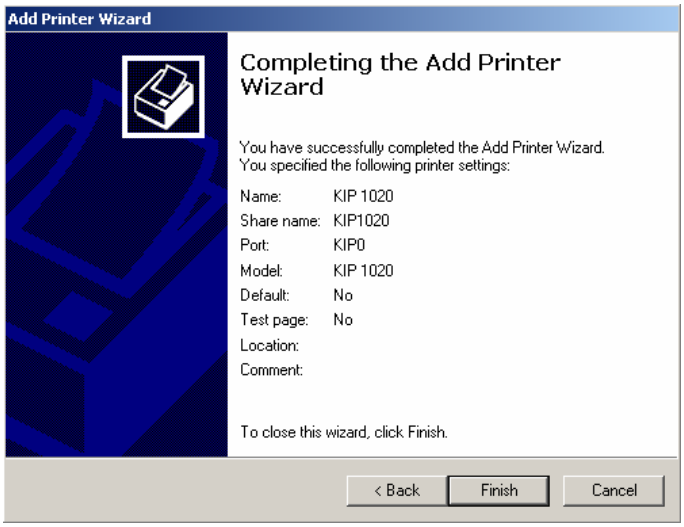
* If replacing a previously shared driver, it is possible to use the same share name.


Add Printer Wizard
Printer Sharing
You can share this printer with other network users.
If you want to share this printer, you must provide a share name. You can use the suggested name or type a new one. The share name will be visible to other network users.
Do not share this printer
Share name:
KIP1020
< Back
Next >
Cancel

j) Determine if you would like to print a Test Page when prompted. Select *Next.*

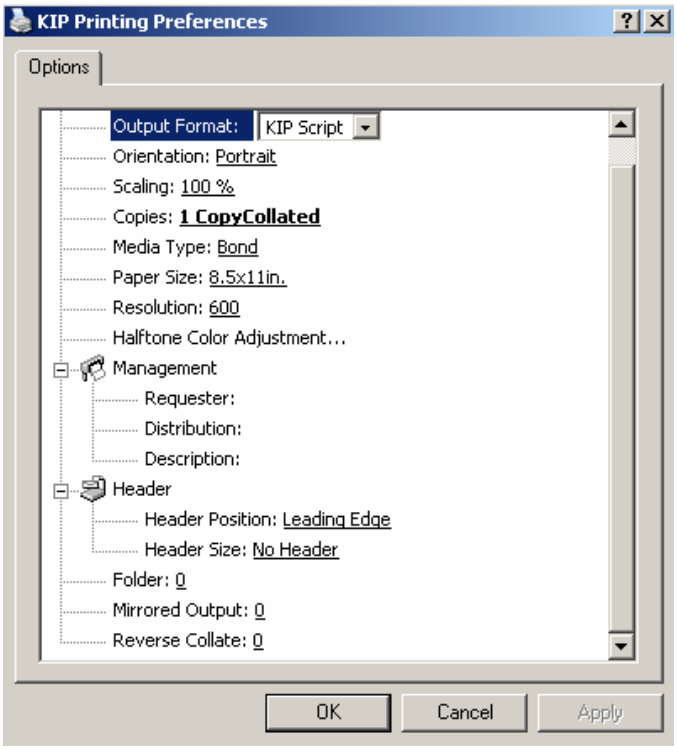

Add Printer Wizard
Print Test Page
To confirm that the printer is installed properly, you can print a test page.
Do you want to print a test page?
Yes
No
< Back
Next >
Cancel

k) Completing the Add Printer Wizard dialog is displayed. Click *Finish*. Printer Driver is added to system.



l) Installed printer can now be accessed from the Microsoft Printer Control Panel*
* If printer is not seen, press F5 to refresh the printer list

m) Right-Click KIP printer and select *Printing Preferences**. User Interface is displayed.
* For Microsoft Windows NT4, select *Document Defaults*



n) The following settings will determine the initial defaults for the printer driver. These defaults will be acquired by client workstations connecting to the shared printer driver. Select these defaults prior to installing at client workstations. Please note that some workstations may not be able to alter the Printer Preferences unless allowed by the network login.

o) Select the desired *Output Format** and make your selections for default paper size, orientation, Management functions*, and Header information.
* See *Printing Hints* section later in this document

o) Click *OK* when finished.

NOTE
If you wish to add additional KIP Printers, use the Add-Printer-Wizard, and select **KIP (c)** from the list of manufactures.

4.0 Appendix

4.1 File Structure Overview

When the printer driver is unzipped and copied to the Hard Disk of the system it will be installed on, the directory and file structure is as follows:

C:\KUWPD
C:\KUWPD\WINNT4
C:\KUWPD\WIN2000
C:\KUWPD\WINXP

KUWPD

- Printman.exe- Installation utility for Microsoft Windows NT4 / 2000 / XP / 2003. Provides a GUI for Printer Port Monitor and Printer Driver installation.
- Mfc71.dll- Microsoft DLL needed to run Printman
- Msvcr71.dll- Microsoft DLL needed to run Printman

WINNT4

- Kawntppm.dll- Printer Port Monitor for Microsoft Windows NT4 Workstation/ Server
- Kipgs24.ppd - Postscript Printer Definition File
- Kipgs400.ppd- Postscript Printer Definition File
- Kipgs600.ppd- Postscript Printer Definition File
- Kipgs1020.ppd- Postscript Printer Definition File
- Kuwntpd.dll- Printer Driver DLL for Microsoft Windows NT4 Workstation / Server
- Kuwntpdui.dll- Printer Driver User Interface for Microsoft Windows NT4 Workstation / Server
- Monitor.inf- Printer Port Monitor installation file Microsoft Windows NT 4 Workstation / Server
- Plotter.inf- Printer Driver installation file Microsoft Windows NT4 Workstation / Server

WIN2000

- Kaw2kppm.dll- Printer Port Monitor for Microsoft Windows 2000 / XP / 2003
- Kipgs24.ppd- Postscript Printer Definition File
- Kipgs400.ppd- Postscript Printer Definition File
- Kipgs600.ppd- Postscript Printer Definition File
- Kipgs1020.ppd- Postscript Printer Definition File
- Kuwxppd.dll- Printer Driver DLL for Microsoft Windows 2000 / XP / 2003
- Kuwxppui.dll- Printer Driver User Interface for Microsoft Windows 2000 / XP / 2003
- Monitor.inf- Printer Port Monitor installation file for Microsoft Windows 2000
- Plotter.inf- Printer Driver installation file Microsoft Windows 2000

WINXP

- Kaw2kppm.dll- Printer Port Monitor for Microsoft Windows 2000 / XP / 2003
- Kipgs24.ppd- Postscript Printer Definition File
- Kipgs400.ppd- Postscript Printer Definition File
- Kipgs600.ppd- Postscript Printer Definition File
- Kipgs1020.ppd- Postscript Printer Definition File
- Kuwxppd.dll- Printer Driver DLL for Microsoft Windows 2000 / XP / 2003
- Kuwxppui.dll- Printer Driver User Interface for Microsoft Windows 2000 / XP / 2003
- Monitor.inf- Printer Port Monitor installation file for Microsoft Windows XP / 2003
- Plotter.inf- Printer Driver installation file Microsoft Windows XP / 2003

4.2 Printing Hints

- **Issue**: Adobe Acrobat 6.X products, when printing with KIP GL output language and large size (E-Size or larger) documents has potential to miss or clip off data prematurely.
  Solution: Adobe Acrobat 7.X products correct this issue. Acrobat 6.x requires the use of KIP Script output to solve this issue (choose KIP Script in the drivers **Printing Preferences** prior to opening Acrobat 6)

- **Issue**: Printing from Adobe products such as Acrobat Reader requires Postscript output.
  Solution: Default the "Printing Preferences" of the KIP driver to KIP Script prior to opening the Adobe application. Printing of KIPScript data also requires the Powerscript3 option on the KIP Controller.

- **Issue**: The **output format** for driver MUST be chosen before entering an application to ensure proper output format.
  Solution: Ensure **output format** is set in Printing Preferences before launching an application.

- **Issue**: Printing from AutoCAD products with large and/or complex amounts of embedded raster objects will cause a very large output file / spool file size.
  Solution: It is suggested to use dedicated KIP ADI/HDI for complex raster printing from AutoCAD products.

Section 7

KIP AutoCAD HDI Driver

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1.0 Overview and Features

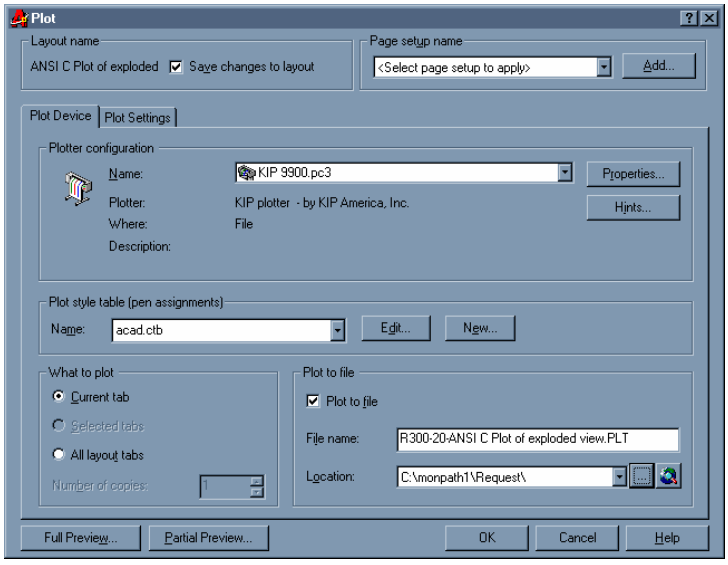
The KIP AutoCAD HDI has been designed to quickly and effectively print to the KIP printer directly from the AutoCAD application under the Microsoft Windows operating system.

The KIP driver functions under these versions of AutoCAD from AutoDesk:

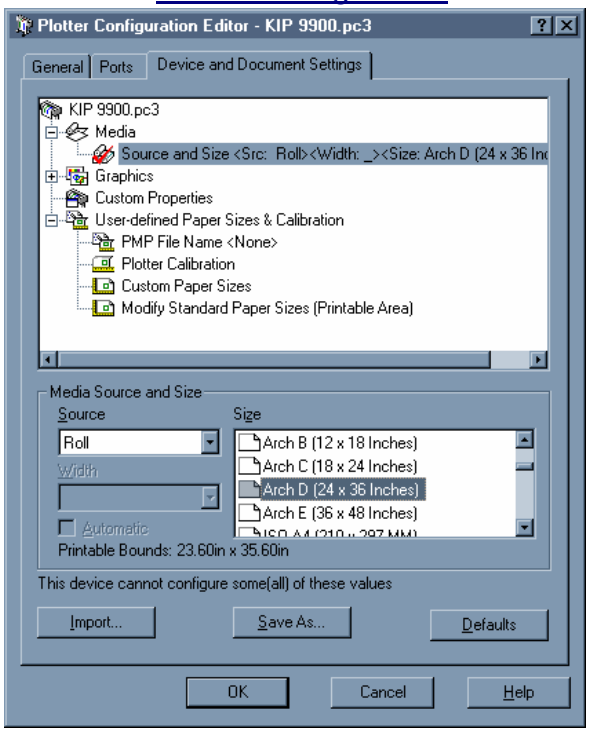
2000 / 2000i / 2002 / 2004 / 2005 / 2006

The following two screens are general to AutoCAD and may not be detailed within this User Guide. They select the device to print to, media size, pen configurations, and shading to list only a few functions. Please refer to the AutoCAD User Guides for more details on their features and functions.

Plot Screen

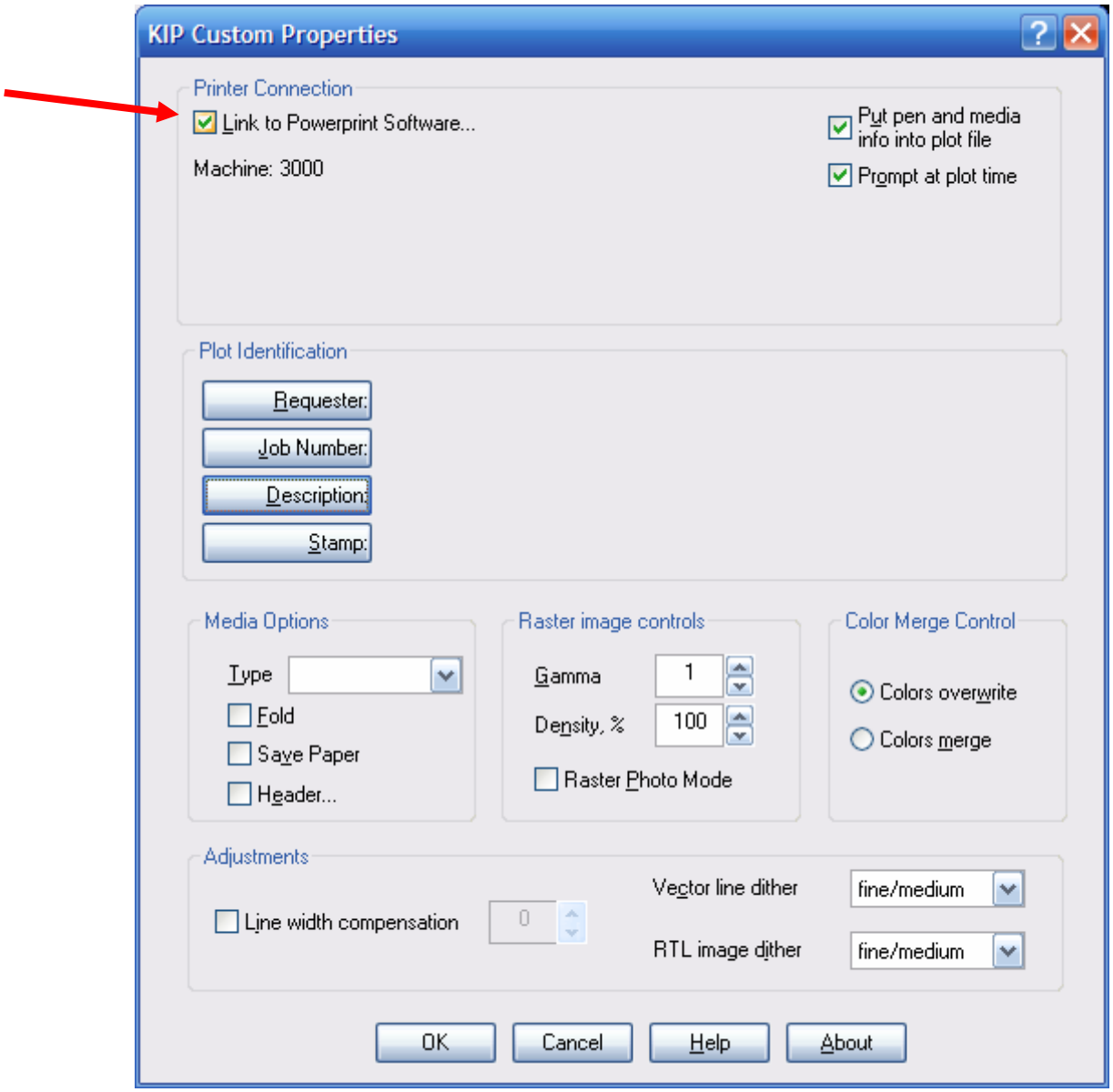


Plotter Configuration



Advanced features and functionality of this driver can work in tandem with **KIP Request** software for added power and flexibility, or as a stand-alone entity. Features when linked to KIP Request include stamping, folding, headers, advanced raster image controls, media type selections, real time printer status and job accounting right from within the AutoCAD application.

Within the “Plotter Configuration Screen” noted in the previous page is “Custom Properties”, please select *Link to Powerprint Request Software…*



2.0 Connection

2.1 Options

There are two methods to print from the KIP HDI driver to the KIP 3000:

1) Windows Printer Port
The Windows driver must be installed on the PC. This method spools images directly to the printer via the printer port. This is a very simple connection method with all available features and functions of the KIP HDI driver. This is the preferred method.

2) Plot to File
The output file must be manually submitted to the printer using KIP Request software. This method is not detailed in this guide.

2.2 KIP Request Link – Advanced Features

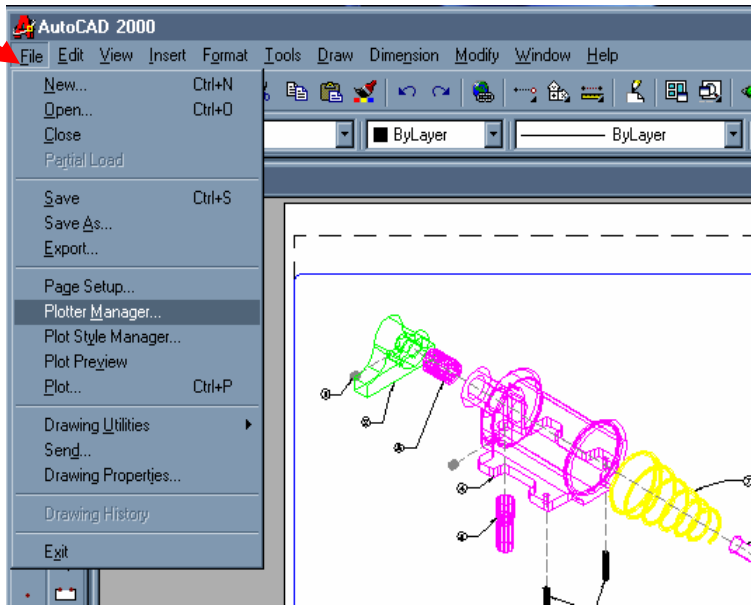
Users have the flexibility of linking to KIP Request to access advanced functions and features.

Allowing the KIP HDI driver to interface with KIP Request provides the most versatile and powerful printing solutions. KIP Request is a document submission tool that allows for complete and comprehensive control over printing / plotting.

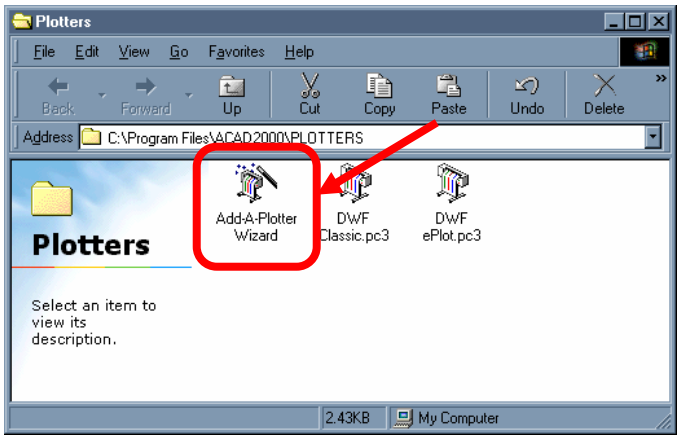
This software can operate on several remote workstations simultaneously. With KIP Request, users have the ability to obtain real-time printer/plotter status, submit collated job sets, password protect these submissions based on user and job information, apply custom made stamps, activate folding devices and modify job descriptions. The KIP HDI driver was designed to take advantage of, and dynamically link to, KIP Request, bringing many of these key features to the AutoCAD interface. It is recommended that the KIP HDI driver be configured in this manner. If you opt not to link with KIP Request, certain features of the KIP HDI driver will not be available to you (i.e. real-time printer status, password protected pull-down menus, on-the-fly stamping, and automated spooling). This document assumes that KIP Request is utilized and installed properly. Installation instructions and further documentation for KIP Request are found in the KIP Request Section of this guide.

3.0 Installation

1) Within AutoCAD, click on *File*, and then select *Plotter Manager.*

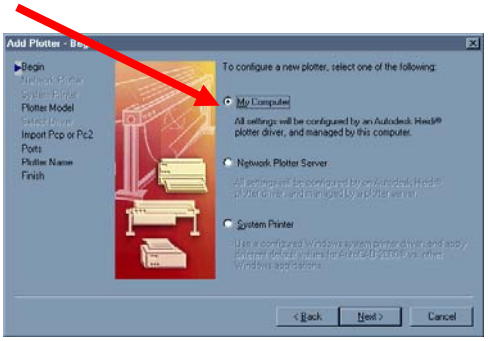


2) Under *Plotter Manager* double Click the *Add-A-Plotter Wizard* Icon.



3) The Wizard screen may start noting that AutoDesk has changed from the PCP and PC2 file formats to a PC3 file format and will offer another screen during the installation process to migrate your PCP and PC2 to PC3 files for use in the newer versions of AutoCAD.

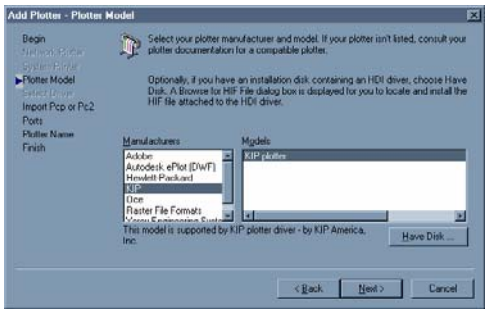
4) Choose **My Computer** to install the driver to your local computer.



5) Identify your plotter / printer model.

a)If KIP is in the list, simply select KIP from your list of manufacturers and click “Next.”

b) If KIP is not in the list, click the “Have Disk” button and you will be able to browse for the plotter driver from your **KIP Software CD**. The file you are searching for is located in the Drivers\KIP HDI folder and should appear as KIPx.hif.

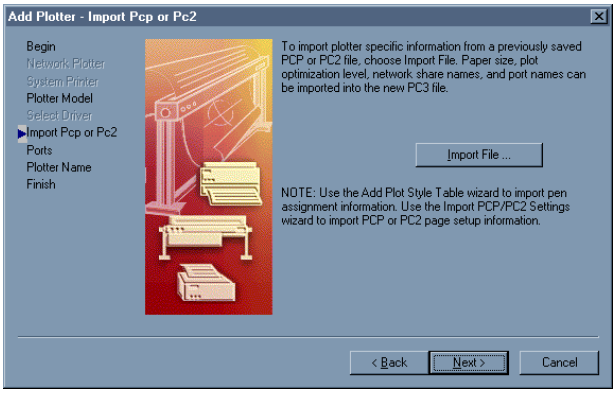

Add Plotter - Plotter Model
Begin
Plotter Model
Import Pcp or Pc2
Ports
Plotter Name
Finish
Select your plotter manufacturer and model. If your plotter isn't listed, consult your plotter documentation for a compatible plotter.
Optionally, if you have an installation disk containing an HDI driver, choose Have Disk. A Browse for HIF File dialog box is displayed for you to locate and install the HIF file attached to the HDI driver.
Manufacturers
Models
Adobe
Autodesk ePlot (DWF)
Hewlett Packard
KIP
Oce
Raster File Formats
KIP plotters
This model is supported by KIP plotter driver - by KIP America, Inc.
Have Disk ...
< Back
Next >
Cancel

Note

KIP6.hif is used as the driver file for AutoCAD 2000
KIP7.hif is used as the driver file for AutoCAD 2000i and AutoCAD 2002
KIP8.hif is used for AutoCAD 2004, 2005 and 2006.

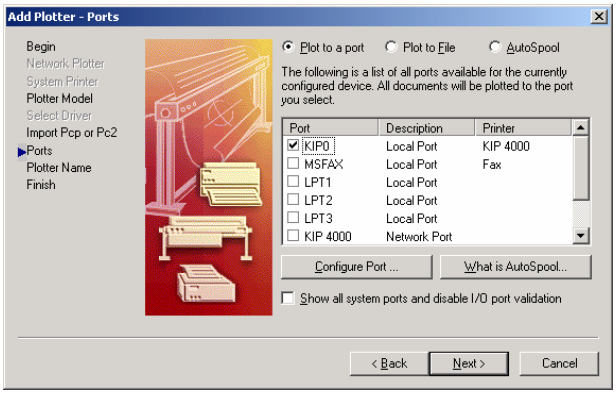
6) Once you have pointed to this file KIP will appear in the list and then select it from your list of manufacturers and click “Next.”

7) The next screen is the PCP and PC2 importation screen. This screen allows users of previous AutoCAD versions to import their PCP and PC2 files to the AutoCAD 2000 family PC3 file format for use in the AutoCAD 2000 product.
(as noted in step #3)


Add Plotter - Import Pcp or Pc2
Begin
Network Plotter
System Printer
Plotter Model
Select Driver
Import Pcp or Pc2
Ports
Plotter Name
Finish
To import plotter specific information from a previously saved PCP or PC2 file, choose Import File. Paper size, plot optimization level, network share names, and port names can be imported into the new PC3 file.
Import File ...
NOTE: Use the Add Plot Style Table wizard to import pen assignment information. Use the Import PCP/PC2 Settings wizard to import PCP or PC2 page setup information.
< Back
Next >
Cancel

If the user does not wish to migrate or does not have any PCP or PC2 files, click the “Next” button and proceed with the installation.

8) Output Port Selection. Select **KIP0**, which is the Port created at the time the KIP Windows driver is installed.

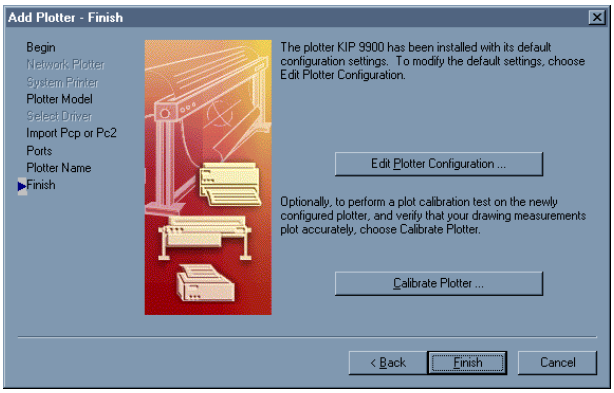


Note

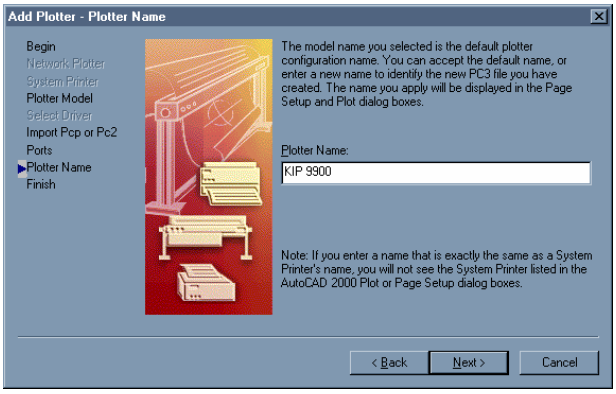
The KIP windows driver should be installed prior to the AutoCAD driver to use this port. If you choose not to use this method, select *Plot to File*.

9) Specifying the printer's name. Since all the KIP printers use the same driver, the user could set up a name for each KIP device. We recommend you use the nomenclature of your KIP machine to identify the printer's name.

Example: KIP 3000


Add Plotter - Finish
Begin
Network Plotter
System Printer
Plotter Model
Select Driver
Import Pcp or Pc2
Ports
Plotter Name
Finish
The plotter KIP 9900 has been installed with its default configuration settings. To modify the default settings, choose Edit Plotter Configuration.
Edit Plotter Configuration ...
Optionally, to perform a plot calibration test on the newly configured plotter, and verify that your drawing measurements plot accurately, choose Calibrate Plotter.
Calibrate Plotter ...
< Back
Finish
Cancel

10) To complete the installation, click the *Finish* button. Printer configuration will be done later and there is no need to "Calibrate Plotter" as the KIP printer was calibrated during installation by the technician.

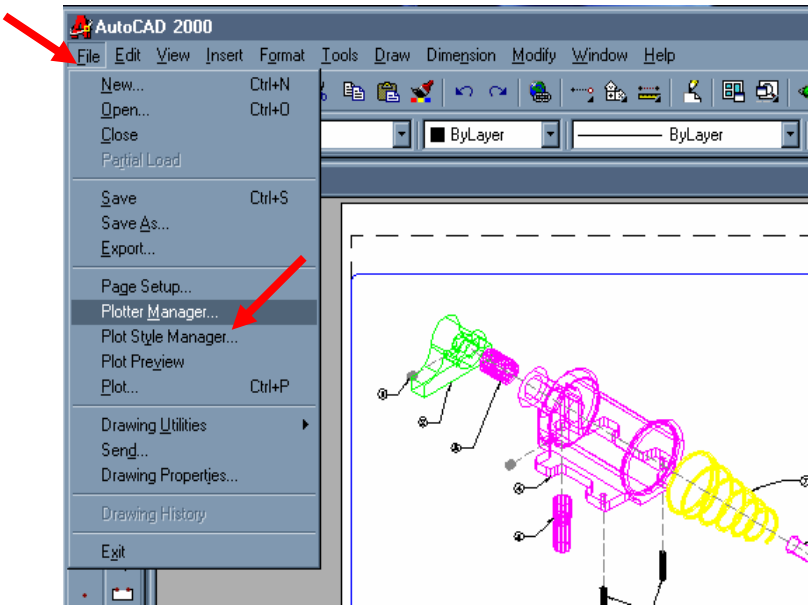

Add Plotter - Plotter Name
Begin
Network Plotter
System Printer
Plotter Model
Select Driver
Import Pcp or Pc2
Ports
Plotter Name
Finish
The model name you selected is the default plotter configuration name. You can accept the default name, or enter a new name to identify the new PC3 file you have created. The name you apply will be displayed in the Page Setup and Plot dialog boxes.
Plotter Name:
KIP 9900
Note: If you enter a name that is exactly the same as a System Printer's name, you will not see the System Printer listed in the AutoCAD 2000 Plot or Page Setup dialog boxes.
< Back
Next >
Cancel

11) Once the installation is complete, please note the creation of the KIP 3000.pc3 file in the ACAD/Plotters folder.

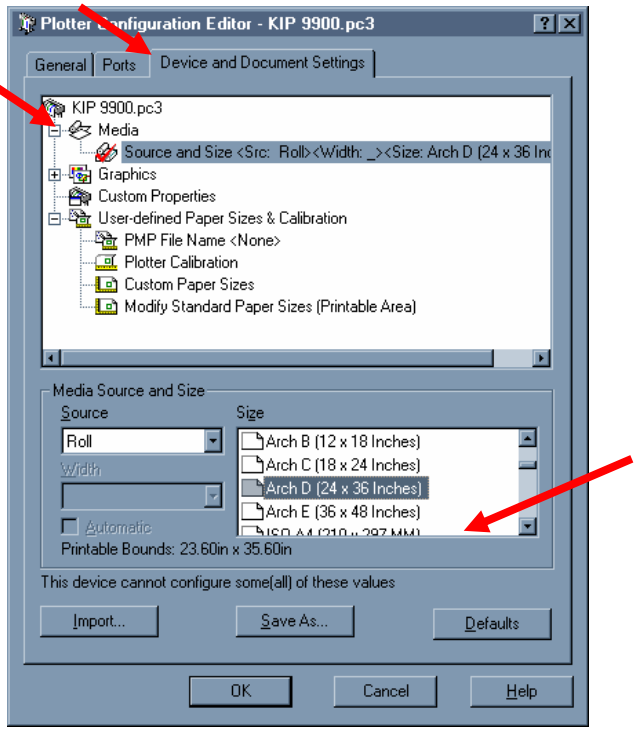
4.0 Configuration

1) Click on *File*, and then *Plotter Manager*

2) Double-click on the .PC3 file of the KIP printer to open the Plotter Configuration Editor.



3) Navigate to the “Device and Document Settings” tab



4.1 Media

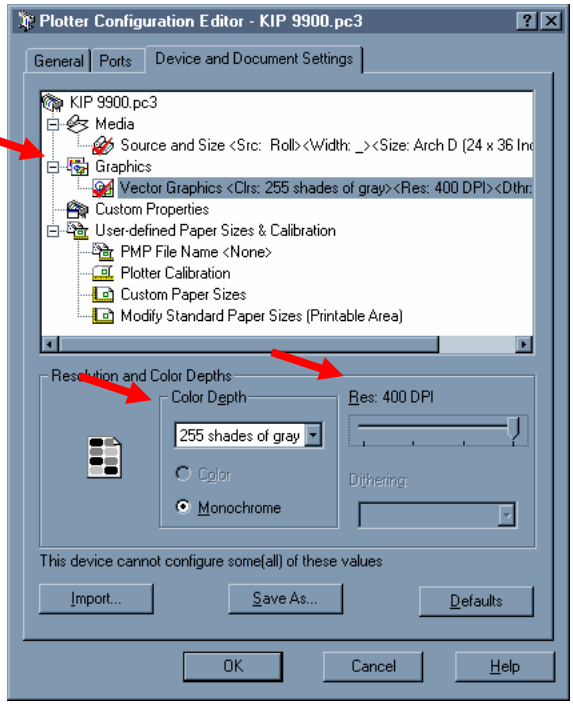
1) Click the “+” sign next to “Media”. This will open up the Media Options and allows the selection of the Media Source (which is “Roll’) and Media Size.

2) Select your media size to suit your image.

4.2 Graphics

1) Click the “+” sign next to “Graphics”. This will open up the Graphics options and allows the selection of the Color Depth (in this case “255 shades of gray”) and the resolution.

   The KIP 3000 has 600DPI resolution.

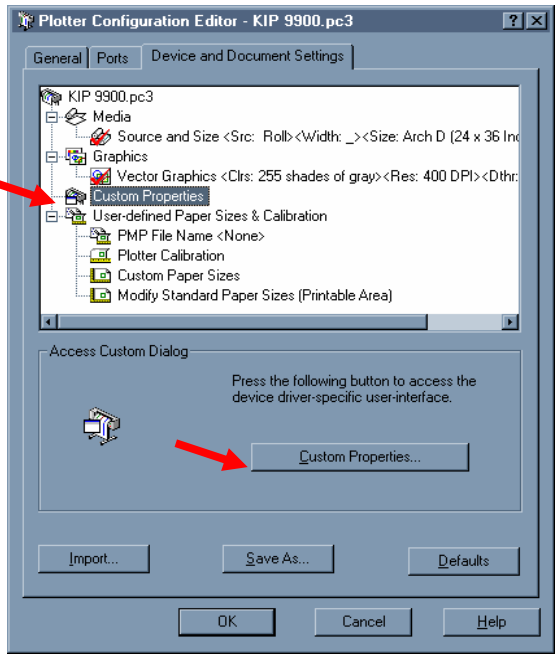


4.3 Custom Properties

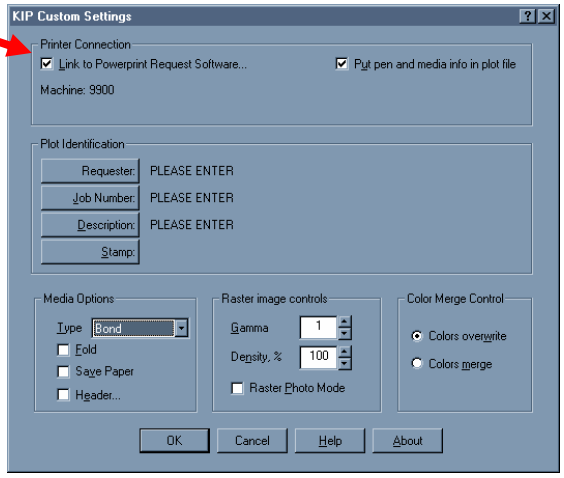
1) Click on *Custom Properties*

2) Then click on the button to see the KIP Custom Settings dialog box.

3) A number of the features of the KIP Request software have been directly integrated into the KIP HDI driver; these features are enabled by “linking” the HDI driver to the KIP Request software.

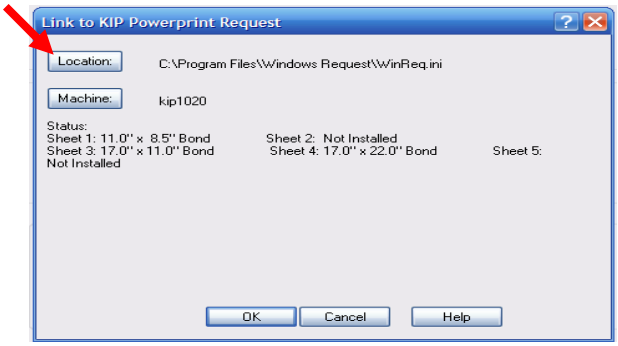


4) By clicking the “Link” to the KIP Request Software” checkbox, the user will be asked to locate the **KIP Request configuration** file (this is the file the HDI driver uses to employ the KIP Request features.)

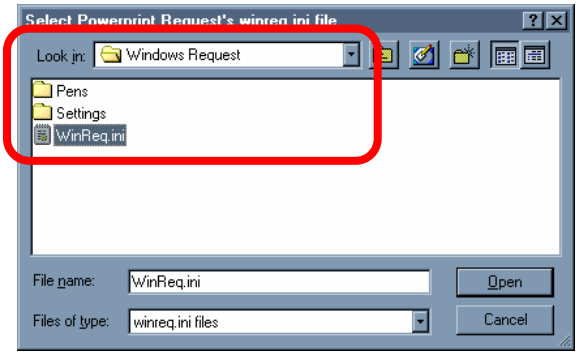


> **Note**
> KIP Request must be installed and configured to link these features to this HDI driver. Please see the Request section of the User Guide.

1) The following dialog box requires the user to locate the winreq.ini file. Click on the “location” button at this point.

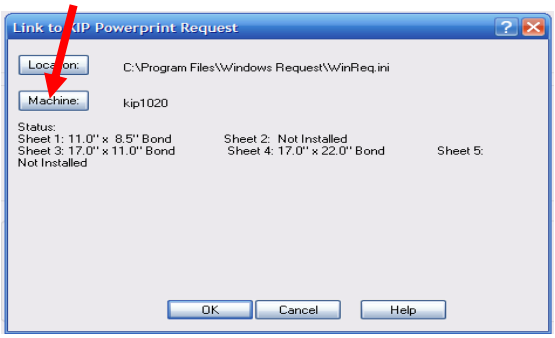


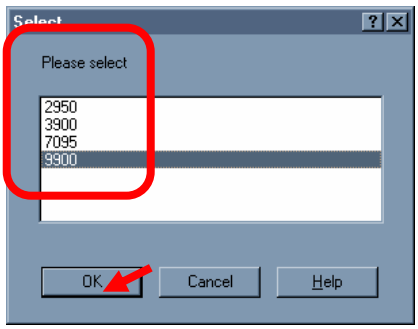
2) It will point to the default location, which is C:\Program Files\Windows Request.



3) Click the *Hardware* button, to list of all of the machine models connected in Request and select which machine to link. Please note that the models listed are dependent on those used in Request.

4) Select OK

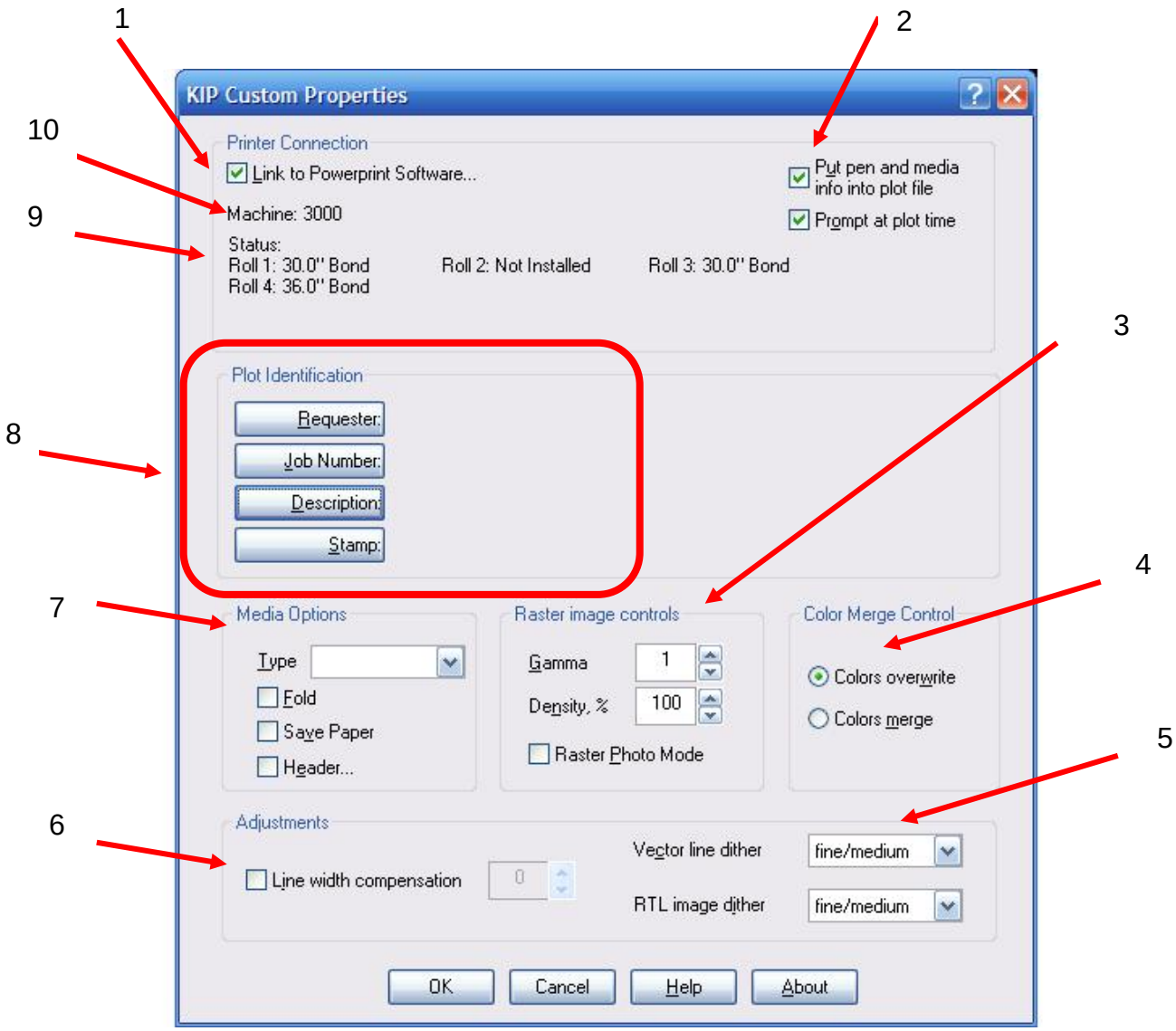




5) Click on “OK” to finish the linking of the HDI to KIP Request.

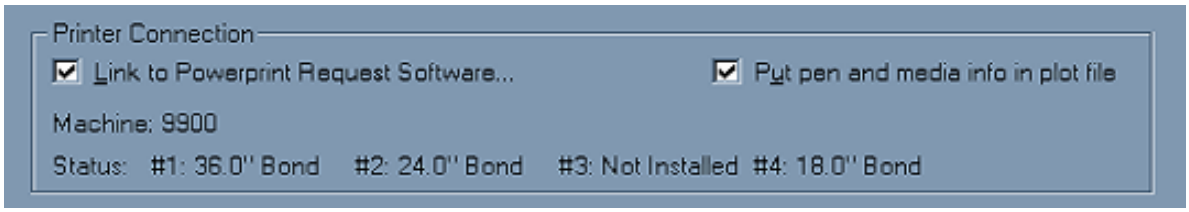
6) The KIP custom settings dialog box should display “Real Time Status” from the KIP printer. Users have the ability to track printing from the AutoCAD application by Requester, Job Number, and Description. Users also have the ability to add a stamp to their document from the KIP HDI driver.

5.0 Custom Settings



No.	Name	Function
1	Link to KIP Request	Enables advanced features on *Custom Properties*
2	Put Pen and Media info in plot file	Places all media and advanced pen information inside the file to overwrite and default settings.
3	Raster Image Control	Adjustment for raster embedded images. Gamma and density controls.
4	Color Merge Control	Line Merge and color overlay control.
5	Dither Patterns	Controls dither patterns for vector lines and raster embedded images
6	Line Width Compensation	Controls overall line thickness or thinness
7	Media Options	Selects the tope of media, folded output (optional), media save and printed header.
8	Plot Identification	Used for accounting / job tracking and header information. Preset stamps from KIP Request can also be selected.
9	Status	"Real-Time" printer status. Includes installed media.
10	Machine	Displays currently select printer model

5.1 Printer Connection


Printer Connection
Link to Powerprint Request Software...
Put pen and media info in plot file
Machine: 9900
Status: #1: 36.0" Bond #2: 24.0" Bond #3: Not Installed #4: 18.0" Bond

5.1.1 Link to Request Software

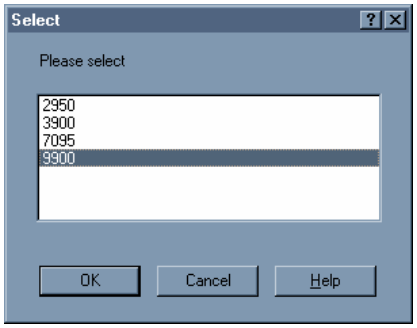
This button should be selected to utilize the advanced features of the Custom Properties screen. It links the AutoCAD Driver to the Request Software.

5.1.2 Put Pen and Media Info into File

Includes all print file header information necessary for proper processing on the KIP IPS controller. This includes the media types and sizes, merge control and the Raster Image control to override the default settings in the printer.

5.1.3 Machine

Displays currently installed printing devices. Installations with multiple printers can select the specific printer as noted in the installation section.



5.1.4 Status

This region shows the current:

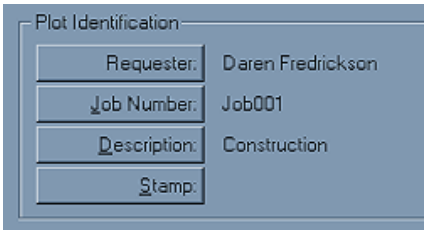
- roll width and type
- any misfeeds
- toner requirements
- standby mode of the printer

This is an active communication with the printer. Therefore the status is shown at the desktop of the user rather than visiting the printer which may be located at a distance from the user's PC.

5.2 Plot Identification

The following features can be used in environments where job costing or department allocations are required for prints on the KIP 3000. They can also be useful for print identification and print distribution as this information can be placed in a header.

Please see the Appendix for advanced naming variables.



5.2.1 Requester / User Name

This button allows the user to select a predetermined User Name from a drop down list or manually type the name. This field may be configured to be mandatory and also password protected as set in the KIP Request application.(see KIP Request Software Guide) The drop down and passwords themselves are also configured in the Request Software. *%Username* may be used as an environment variable.

5.2.2 Job Number

This button allows the user to select a predetermined Job Number from a drop down list or manually type the job number. This field may be configured to be mandatory and also password protected as set in the Request application.(see KIP Request Software Guide) The drop down and passwords themselves are also configured in the Request Software.

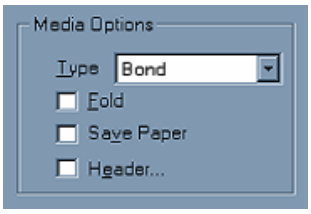
5.2.3 Description

This button allows the user to select a predetermined Description from a drop down or manually type a description. This field may be configured to be mandatory and also password protected as set in the Request application.(see KIP Request Software Guide) The drop down and passwords themselves are also configured in the Request Software.

5.2.4 Stamp

This button allows a stamp which is predetermined in the Request Software to be placed on the print(s). The creation and placement of the stamp is again preformed in the request application.(see KIP Request Software Guide)

5.3 Media Options



5.3.1 Type

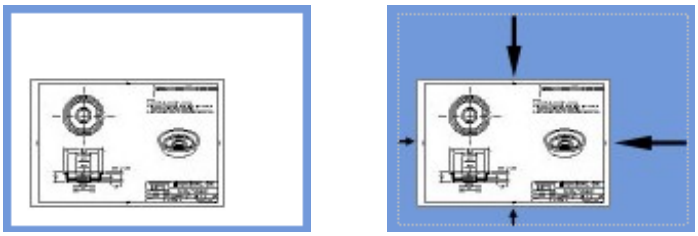
This drop down list has the listed media types that may be installed in the KIP printer. They include **Bond, Vellum and Film**. Please note the *Status* region to confirm the media currently installed. If a media selected for a print is not currently installed, the printer will “hold the job” and wait for the media type to be satisfied prior printing the job.

5.3.2 Fold

Uses the fold patterns configured on the KIP IPS when selected. Please note that the optional folder must be installed for this action to occur.

5.3.3 Save Paper

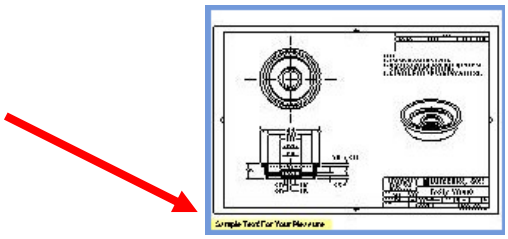
If the media size selected is larger than the image size, this button will prevent excess media (wasted) from being consumed in the print process. This occurs in the length of the print. This does not affect image output.



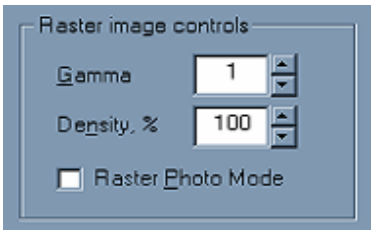
Note: If the Printer is set to “Closest“ the nearest roll width installed will be used to even further reduce media waste. (more than one roll width must be installed of the same type)

5.3.4 Header

A text header can be placed on the paper for print identification. The information placed in the **Plot Identification** will be printed on the print



5.4 Raster Image Control

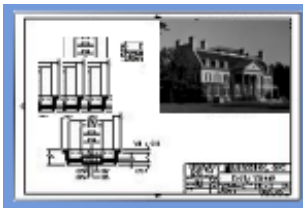


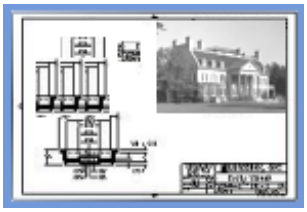
5.4.1 Gamma

This value sets the gamma level of embedded raster images on the print file. Gamma is the overall contrast of the image.

5.4.2 Density

This value sets the density of the image without affecting lines or shades in a print (the vector data). This can be used to enhance photos or other raster images placed within a drawing. A higher value will have a greater density.



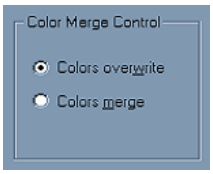


5.4.3 Raster Photo Mode

This button is used to print the shading effects of a raster image. Some raster images are meant to be 100% solid (no tones such as a line). Others are pictures or drawings where shades are required. Select Photo Mode to print the raster image as shades rather than 100% solid. Embedded Excel or Word documents should have this un-selected for optimum output.

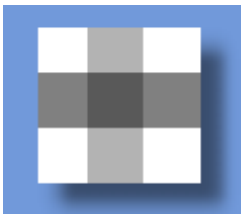
5.5 Color Merge Control

Color merge is the prevention or selection of a third color (or shade when printer on the KIP 3000) where layers of a drawing overlap.



Color Overwrite

Color Merge



5.6 Adjustments

5.6.1 Line Width Compensation

Controls line weights on a global basis. Values can be from -4.0 to +4.0. A higher value will result in all lines increasing in thickness. A lower value will result in all lines decreasing in thickness.

5.6.2 Vector Line Dither

Controls dithering patterns for grayscale line entities. Values are from Fine (Tight) to Coarse (Wide) dither patterns.

> **Note**
> Does not control vector fill areas. This should be set at the KIP IPS

5.6.3 RTL Image Dither

Works in conjunction with *Raster Image Control.* If Raster Photo Mode is enabled, then RTL Image dither can be controlled. Values are from Fine (tight) to coarse (wide) dither patterns. Photographic images work best with a more coarse setting while embedded text documents from Word or Excel work best with a Fine setting.

6.0 Appendix

6.1 Accounting Features- Variables

Specialized names or masks can be used for the accounting data fields in the Custom Properties of the KIP AutoCAD Driver (Requester, Job Number, and Description)

Both the Requester and Job Number fields by default are recorded into the KIP Controller Accounting log. The Job Number field can then be the key field used to query Production Reports directly from the KIP Unattend software. The KIP Controller log can also be imported into any program that can read ASCII data.

Specialized Mask Names and Rules

These customized names can be assigned to the mask elements using all normal methods.

Dwgname and dwgpath are the only two variables that can be set.

Example:
AutoCAD reports original file path of drawing named "R300-20.DWG" and the path that the file is stored in as:

C:\Program Files\AutoCAD 2006\drawings\R300-20.DWG

If mask item is set to:
Dwgname logged is “R300-20”
Dwgpath logged is ‘C:\Program Files\AutoCAD 2006\drawings\R300-20.DWG”

dwgpath=x\x\x\x\x where = sign and following is optional mask to select path elements.
x replaced by # includes that element of path to be used in accounting data.
dwgpath=x\#\x\x logged is ‘Program Files’
dwgpath=x\#\# logged is ”Program Files\AutoCAD 2006”

Section 8

KIP Request

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1. 0 Introduction

1.1 Introduction

KIP Request software can be used to send documents, or sets of documents, to a KIP Printer. Request can be used from a workstation enabling users to print across a network. It has many advanced features and powerful functions to allow customization of prints.

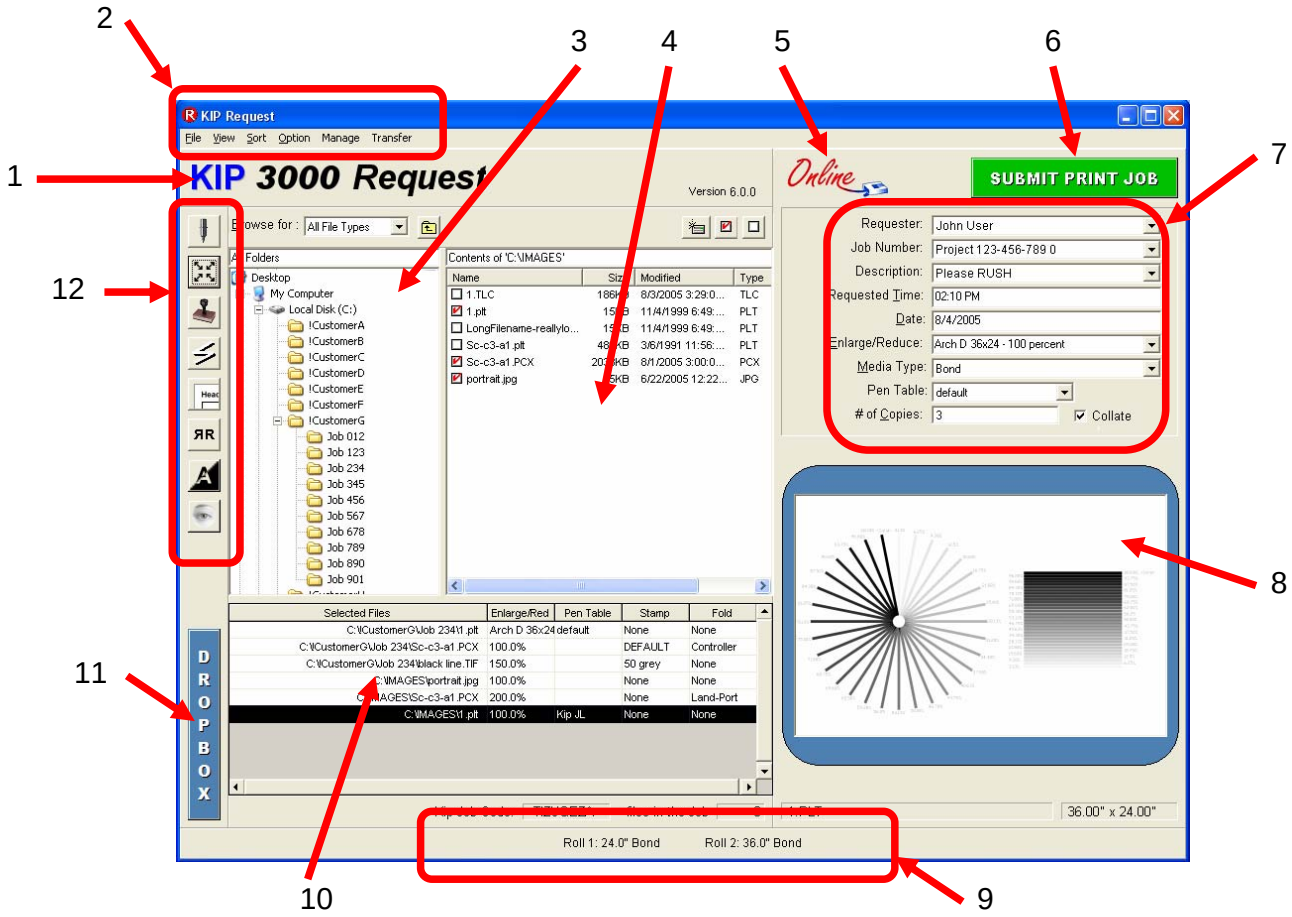
Using the Request software, allows the “requester” a number of adjustable options like selection of username, job number, media type, zoom, number of copies, description of job, pen table adjustments, time/date selection, invert, mirror, stamping, header and fold options only to name some features.

The Request package also allows configuration of the KIP 3000. This include scan to FTP location, accounting to include Passwords and Usernames, as well as retrieve scanned images from KIP 3000 IPS Mailboxes.

It is also used to configure KIP PrintNet another submission utility that is web browser based.

The KIP Request software is a comprehensive tool which allows access to the advanced functions and features for the KIP 3000.

1.2 Main Screen

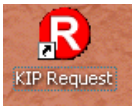


No.	Name	Function
1	Printer Selection	Click on the “name” to select the printer you wish to print to if more than one KIP device installed.
2	Menu	Menu for multiply functions in the GUI and configuration of the software / system.
3	Folder Select	Use this region to select the folder you wish to print files from
4	File Select	Displays the files in a folder to allow selection
5	ONLine	If this is displayed allows the ONLine features (ONLine not available for the KIP 3000, see KIP PrintNet)
6	Submit	After file selection and adjustments, sends job for printing
7	Key Job Settings	This area allows the key details to be applied to a job, if so needed.
8	Pre -View	Files can be pre-viewed prior to printing. Click on this area to view a file.
9	Printer / Job Info	Displays current printer roll information or status as well as basic job/file information
10	Job List	Displays files for printing and any function applied to the file
11	Dropbox	For drag and drop function of file selection
12	Advanced Job Settings	Allows advanced job and print configurations, such as Zoom, Stamp, Fold, and Pen Control.

1.3 Simple Printing

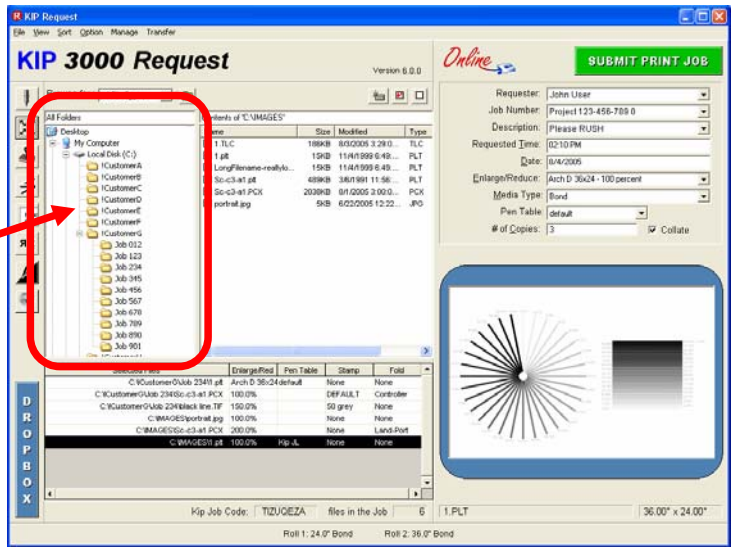
The follow demonstrates how to make a basic job submission to the KIP printer.

1) Click on the “KIP Request” icon on your Desk Top

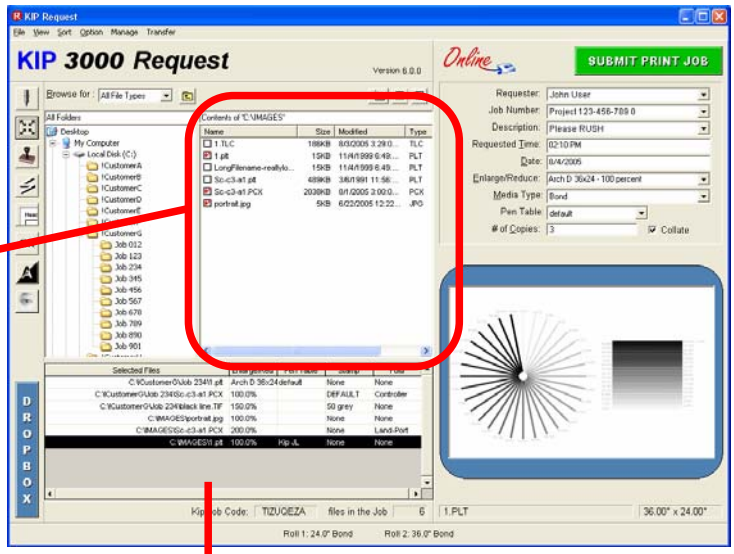


2) Or from the “Start” button click on:
   a) All Programs
   b) KIP Programs
   c) KIP Request

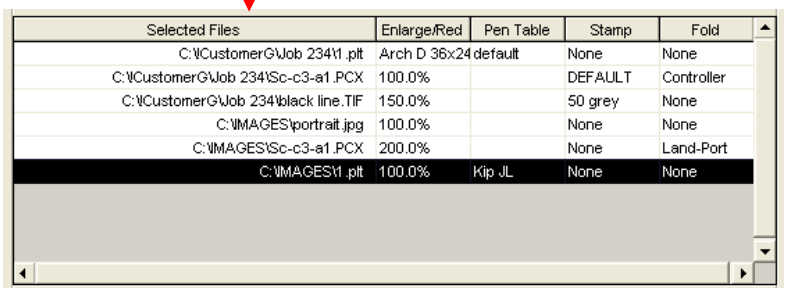
3) Browse to the folder where the files you wish to print are located on your local PC or on the network. (usual Windows mouse functions for folder selection)



4) Click on the file(s) to print which will be shown with a “check mark” in the box beside the file.



5) The files selected will now also be shown in the lower box noting any zoom, pen, stamp and fold to be applied.

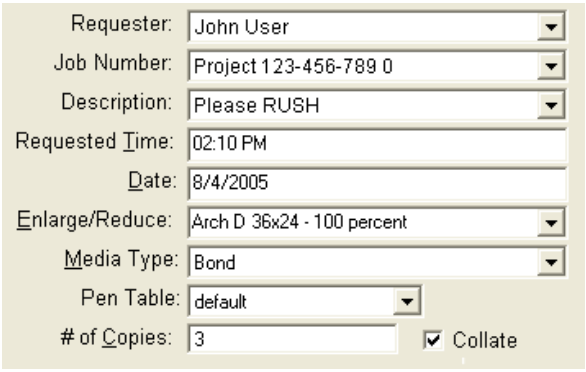


Selected Files	Enlarge/Red	Pen Table	Stamp	Fold
C:\CustomerG\Job 234\1.plt	Arch D 36x24	default	None	None
C:\CustomerG\Job 234\Sc-c3-a1.PCX	100.0%		DEFAULT	Controller
C:\CustomerG\Job 234\black line.TIF	150.0%		50 grey	None
C:\IMAGES\portrait.jpg	100.0%		None	None
C:\IMAGES\Sc-c3-a1.PCX	200.0%		None	Land-Port
C:\IMAGES\1.plt	100.0%	Kip JL	None	None

NOTE: Later in this manual, descriptions of custom settings which you may wish to apply to prints, are detailed.

Custom settings that may be used, should be configured prior to selection of the files.

6) Complete any Key Job Settings that may be required such as user name, zoom, media type, collation and number of copies / sets.



7) Press the Submit Print Job button.

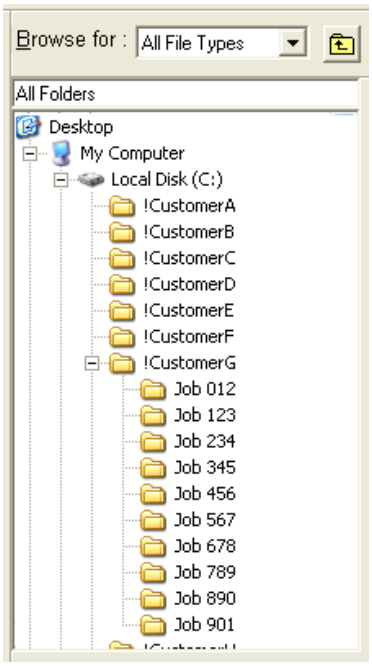
8) The files selected will be printed.

NOTE:
Later in this manual, descriptions of custom settings which you may wish to apply to prints, are detailed. Custom settings that may be used, should be configured prior to selection of the files.

2. 0 Function / Feature Details

2.1 Folder Select

2.1.1 Select a folder



a) Using the mouse to select a drive letter, computer or other location on the PC or network where the files to be printed are located.

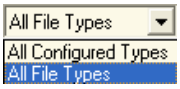
b) Click once to view the files within displayed in the file region.

2.1.2 Folder up

The Folder Up icon take you to the next higher folder in the folder structure.

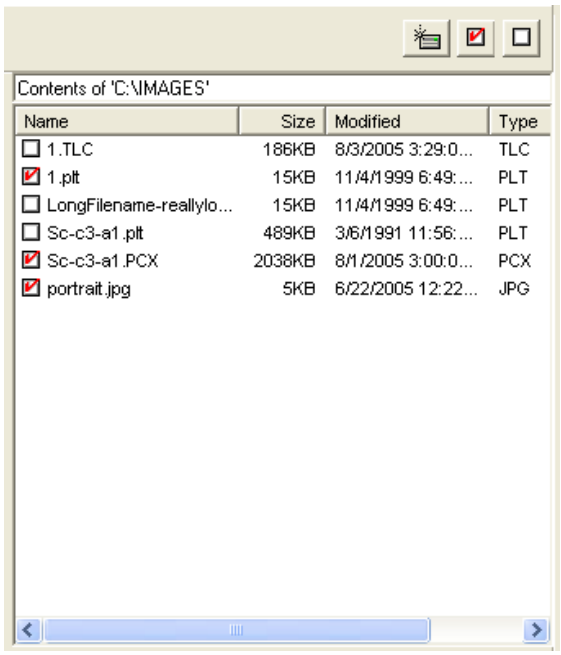
2.1.3 Display File types “Browse for”

Request can be configured to only display files that are printable in the File Select area or to display all file types. The Configured Types are set by the administrator. Please see the INI. Configuration for details on how to set this feature’s function.



2.2 File Select

2.2.1 Select a file

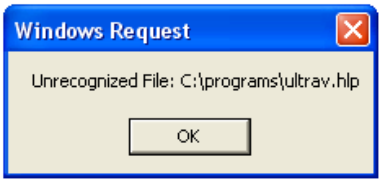


a) After selection of the folder which contains the files for printing, files within the folder will be displayed in this area. The details of the file are also noted, such as size type etc.

Note: This area can be resized within the region provided.

b) Click on the file to be printed: a red Check will indicate that they are selected.

c) If an invalid file is selected, which cannot be printed, a note box will appear. (in this case a .hlp file can not be printed)



File types which *can* be selected are:

HPGL/2 formats (.plt, .hpg, .gl2, .000, .rtl, .906, .907, etc.)
HPGL formats
HP-RTL formats
Autodesk DWF (.dwf)
Adobe Portable Document Format (.pdf)*
Postscript (.ps)*
Encapsulated Postscript (.eps)*
TIFF Group 4 (.tif)
CALS Group 4 (.cal)
PCX Monochrome (.pcx)
Intergraph (.cit)
JPEG (.jpg)
Computer Graphics Metafile (.cgm)*
Government Group 4 (.c4)
ASCII File formats (.txt, et cetera)
KIP Format (.tlc)

* Requires an Option

All file formats are registered to there respective companies.

These are some of the most common file extensions. If the file extension differs and the file still remains a valid type, it will print. That is a .plt file can be renamed .xyz and as long as the structure remain intact the file will print.

2.2.2 Recall Last File(s)

The last file(s) sent to be printed (after you press the Submit Button) can be recalled with this button. This allows quick resubmission if required for additional changes and sets.

2.2.3 Select All

This button selects all files in the current folder.

2.2.4 Unselect All

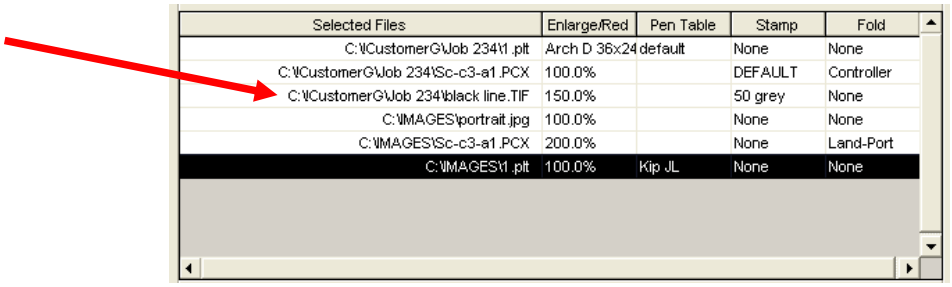
This button deselects all files in the current folder

2.3 Job List

2.3.1 Selected Files

Once selected (in 2.2.1), all files to be printed are listed here. It include the file name (with location structure), pen table, stamp and fold pattern to be applied to each file. This region allows further feature to be applied to the selected file(s).

Note: This are can be resized within the region provided.



In the above example, the third file from the top (black line.TIF) will be enlarged 150%, applied a pen pattern called “50 Grey” and it will not be folded.

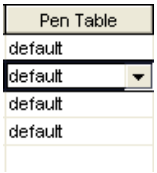
2.3.2 Enlarge / Reduce

Please note that this function in the Job List is a feature of ONLine not available on the KIP 3000. Other zoom settings can be applied from the Advanced Job Settings.

2.3.3 Pen Table

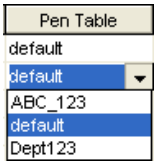
Pen type and styles can be applied to vector or hybrid files. They can include pen widths, raster density, junctions, etc. Please see Pens in 2.5.1 for greater details.

The name of the applied pen table is displayed here and can be changed prior to printing.



a) Click on the “pen Table” of the file you wish to change

b) A drop down arrow will appear

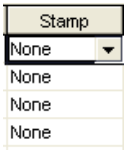


c) Select a predetermined pen table. (see 2.5.1 to create tables)

2.3.4 Stamp

Stamps (or watermarks) can be applied to any printed document. Please see Pens in 2.5.3 for greater details.

The name of the applied stamp is displayed here and can be changed prior to printing.



a) Click on the Stamp of the file you wish to change

b) A drop down arrow will appear

c) Select a predetermined stamp. (see 2.5.3 to create stamps)

2.3.5 Fold

If an optional Folder is connected, Fold patterns can be applied to the documents. This is called matrix Folding. To set up fold patterns please see in 2.5.4 for greater details.
The name of the Fold Pattern is displayed here and can be changed prior to printing.

a) Click on the Fold on the file you wish to change

b) A drop down arrow will appear

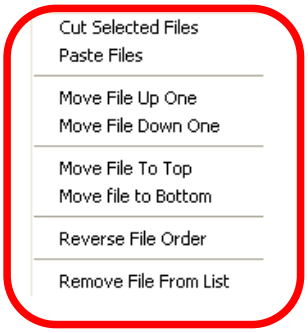
c) Select a predetermined Fold. (see 2.5.4 to create Fold Patterns)

d) Please note that the fold parameter can be set in the Printer and displayed as “Controller” in the Request. This uses the automatic settings of the printer to determine the fold pattern for standardizes documents. For documents that may require special folding please create the pattern in the Request software

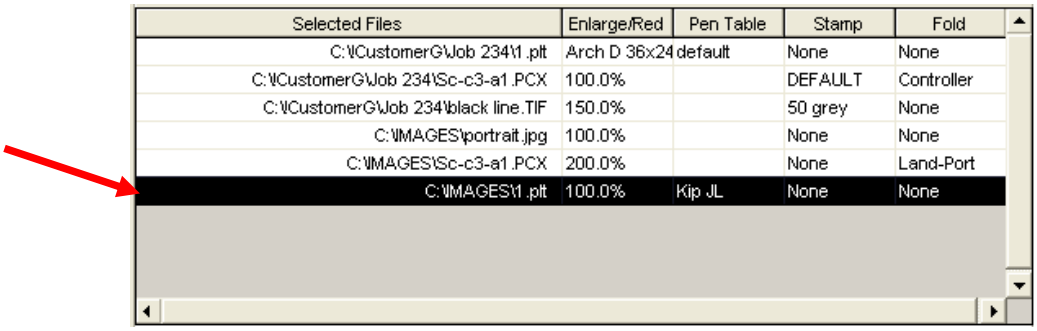
2.3.6 File Order

File print order, and removal can be preformed in the JOB list Area. After files have been selected “right click” in the Job List area.

A menu will appear.



To preform some of the functions in the menu, a file(s) will need to be selected,



Selected Files	Enlarge/Red	Pen Table	Stamp	Fold
C:\CustomerG\Job 234\1.plt	Arch D 36x24	default	None	None
C:\CustomerG\Job 234\Sc-c3-a1.PCX	100.0%		DEFAULT	Controller
C:\CustomerG\Job 234\black line.TIF	150.0%		50 grey	None
C:\IMAGES\portrait.jpg	100.0%		None	None
C:\IMAGES\Sc-c3-a1.PCX	200.0%		None	Land-Port
C:\IMAGES\1.plt	100.0%	Kip JL	None	None

a) Cut Selected Files

This is a tool to remove the selected files.

b) Paste Files

This function is used to ‘Add’ new files between files in the selected files area.

c) Move File Up One

Select a file to move up one in the selected files area.

d) Move File Down One

Select a file to move down one in the selected files area.

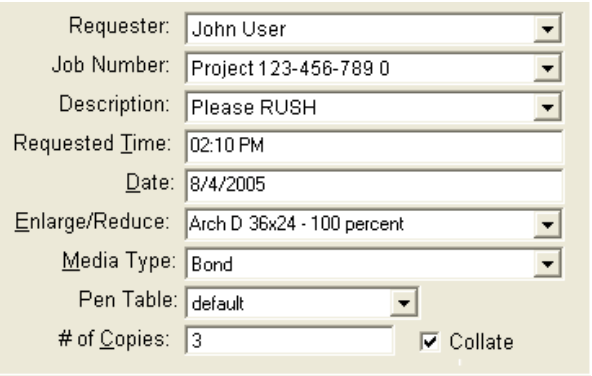
e) Move File to Top
Select a file to move up to the top in the selected files area.

f) Move File to Bottom
Select a file to move down to the bottom in the selected files area.

g) Reverse File Order
Reverses the entire job list in the selected files area.

h) Remove File from List
Used to 'Delete' files from the selected files area list.

2.4 Key Job Settings



2.4.1 Requester

This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs. This information will also be printed in the KIP Header if applied. The label of the field, "Requester" can also be customized. (i.e. "Operator" or "User"). This is detailed in the .INI Configuration.

2.4.2 Job Number

This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs. This information will also be printed in the KIP Header if applied. The label of the field, "Job Number" can also be customized (i.e. "Department Number" or "Job Name").

2.4.3 Description

This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs.

2.4.4 Requested Time

Users can select a job be printed at a certain time.

2.4.5 Date

Users can select a job be printed at a certain time

2.4.6 Enlarge / Reduce

User can select a preconfigured zoom percentage, or key in a percentage from 5% to 360%. If FORCE SIZE is selected, the FORCE SIZE MENU opens. See 2.5.2.

2.4.7 Media Type

Allows the selection of the type of media the job is to be printed on. Types include bond, vellum, and film (mylar). Applying the "On Hold" media type will place the job in the queue but will not print until a valid media type is applied by the queue Manager. Other media types can be configured as noted in the INI Configuration section.

2.4.8 Pen Table

Displays the Pen Table that will be applied to vector files as they are selected. Pull down the menu to select a different Pen Table. Click the Pens button to make changes within the selected Pen Table.(see 2.5.1)

2.4.9 # of Copies

Choose the total number copies from 1 to 999.

2.4.10 Collate

Allows collated or uncollated prints.

111, 222, 333 … or 123, 123, 123 …

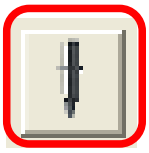
2.5 Advanced Job Settings

On the left side of the main Request screen are buttons to allow advanced settings and configuration of the prints.

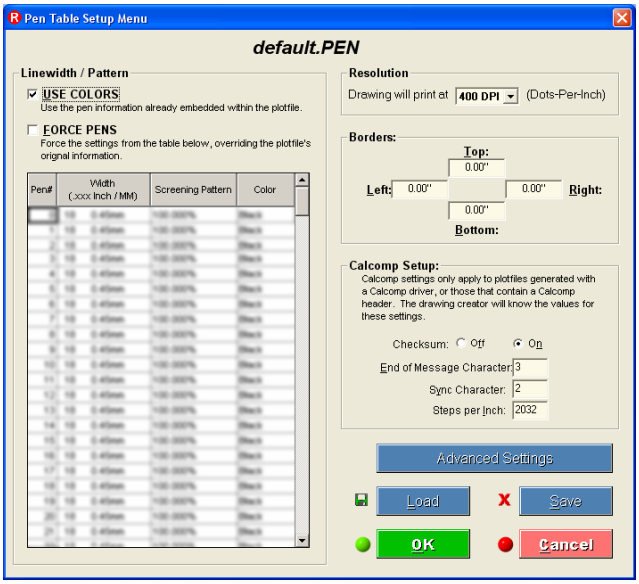
These buttons are:

- Manage
- Pen Configuration
- Zoom
- Stamp
- Fold
- Header
- Mirror
- Invert
- View

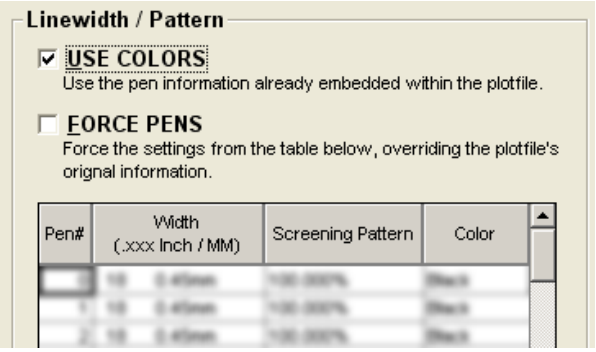
2.5.1 Pen Configuration



This button allows the modification of the settings of vector plot files. Files' pen table and screening information can be changed. Plot File Setup also allows borders, modify halftone settings, dither patterns, and more. The following is a list of the all the controls:



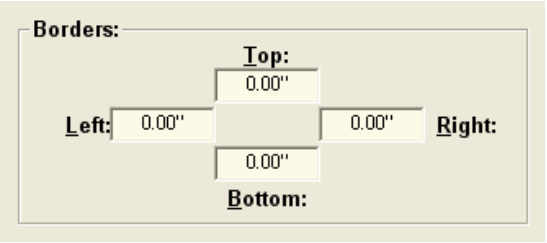
2.5.1.1 Use Colors – Applies a file's native pen width information, and half toning information. Unless you are making changes to a customer's file, USE COLORS is the setting most often used. When USE COLORS is applied, the Pen Table is shaded.


Linewidth / Pattern
USE COLORS
Use the pen information already embedded within the plotfile.
FORCE PENS
Force the settings from the table below, overriding the plotfile's orignal information.
Pen#
Width (.xxx Inch / MM)
Screening Pattern
Color

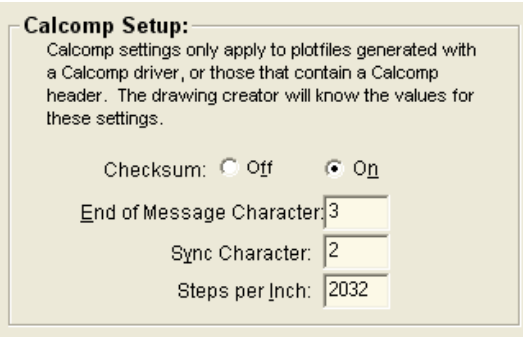
2.5.1.2 Force Pens – Request allows you to edit pen widths and screening by pen number (with a range of Pen 0 to Pen 255.)Forces the settings in the KIP Pen Table to override the pen information originally embedded in the file. Most users will only need to Force Pens if the customer needs to make changes to an existing file.

2.5.1.3 Resolution – Allows the selection the dots-per-inch, or resolution, for their documents to be converted. The KIP 3000 is a 600 DPI device.

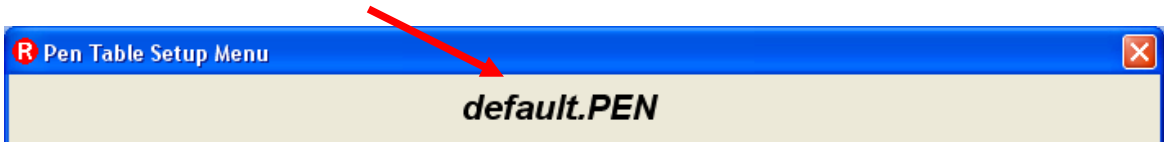
2.5.1.4 Border – allows a border to be used in the file. A maximum border of five inches can be applied to each edge.



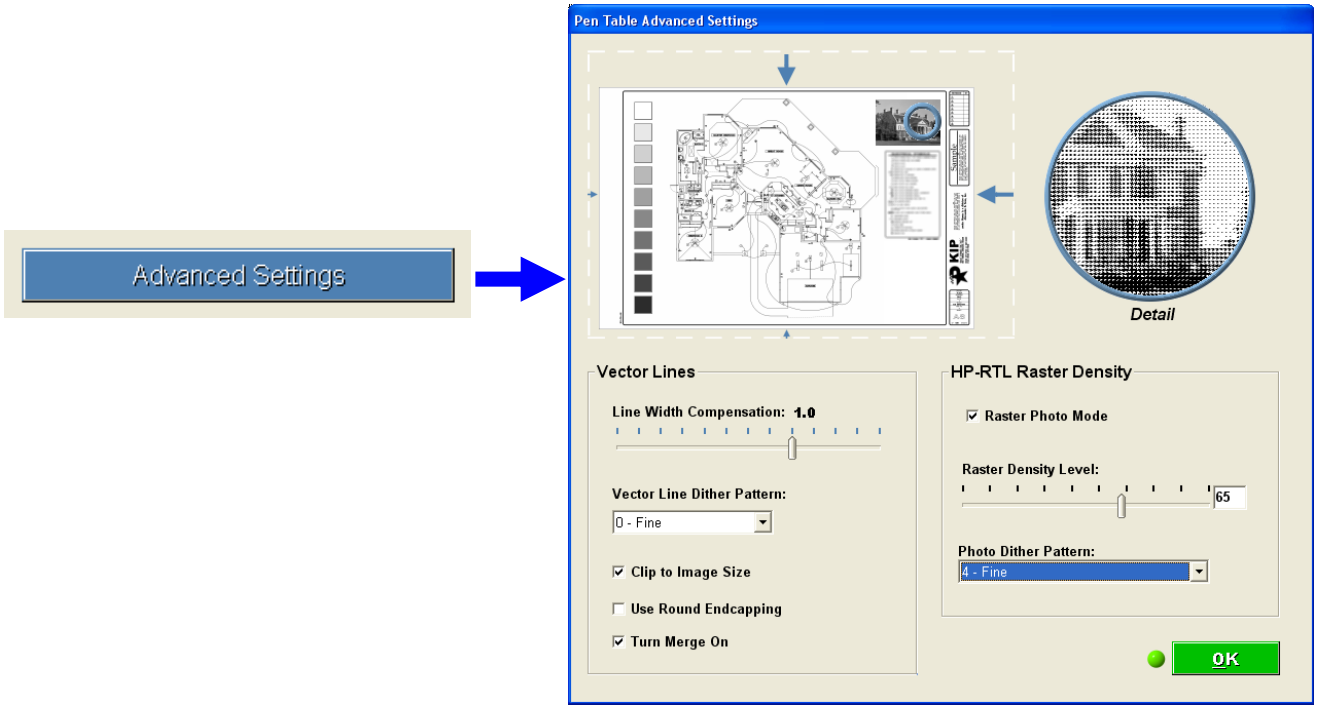
2.5.1.5 Calcomp setup – Only use this when submitting a Calcomp language file. Allows the change of Calcomp file settings so that the printer will interpret any Calcomp file correctly. These settings include Checksum, Sync Character, End of Message Character, and Steps Per Inch. Calcomp settings only apply to plot files with a Calcomp text header. Most plot files do not contain Calcomp text headers.


Calcomp Setup:
Calcomp settings only apply to plotfiles generated with a Calcomp driver, or those that contain a Calcomp header. The drawing creator will know the values for these settings.
Checksum:
Off
On
End of Message Character:
3
Sync Character:
2
Steps per Inch:
2032

2.5.1.6 Load / Save –save changes in a custom Pen Table or load a table to see or make changes. Save the table once the changes have been made. The current Pen Table name is displayed at the top of the Pen Table Setup Menu.



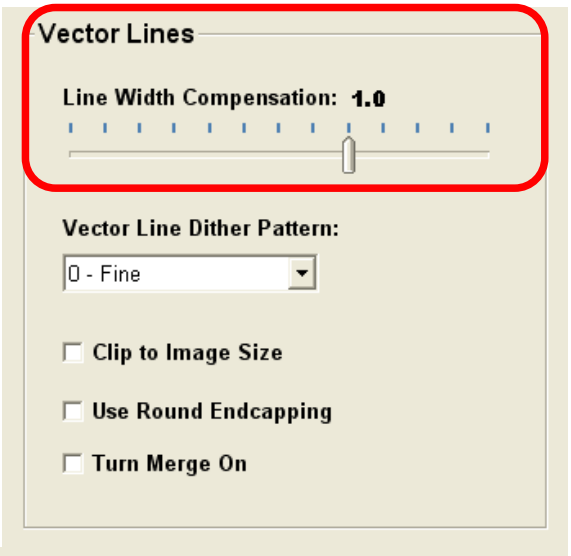
2.5.2 **Advanced Settings Button** – Opens the Advanced Settings Menu.



2.5.2.1 Line Width Compensation

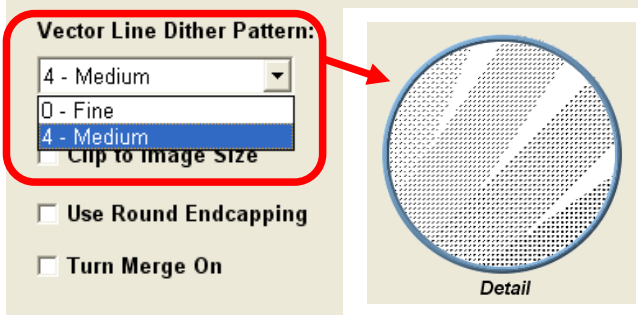
Allows addition and subtraction of pixels from the overall width of all vector lines. Users have the choice of selecting negative values (to compensate for thick lines) to positive values (to compensate for thin lines)

Choosing -1.0 will remove 1 pixel from vector data lines.
Choosing 3.0 will add 3 pixels to vector data lines.
Choosing 0.0 makes no changes to the lines.



2.5.2.2 Vector Line Dither pattern

Users have 2 choices of vector line dither patterns. This will alter the appearance of vector greyscale in different ways. Fine is the default setting or an optional Medium. There is no 'correct' pattern to choose. Users can choose the setting they prefer.



2.5.2.3 Clip to Image Size

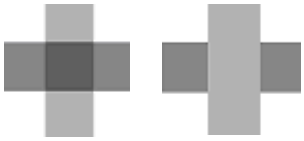
Crops the file data to the start of image data. Applied when the file designer has saved the entire drawing area as part of the file. If an error "File Too Large To Print," occurs, clipping to Image Size is often the solution.

2.5.2.4 Use Round End Capping

This will set end capping on lines in vector files to round ends instead of what has been specified in the plot file's Line Attribute command.

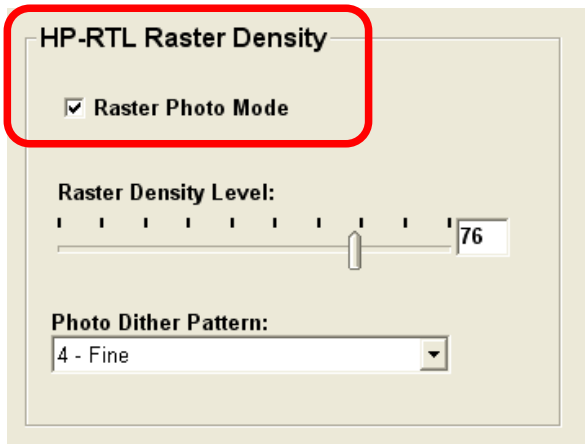
2.5.2.5 Turn Merge On

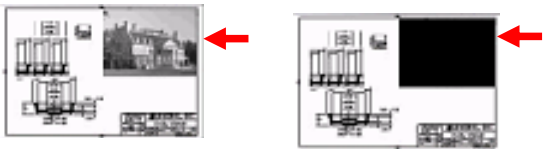
Enables the user to merge lines of different shades. When not applied, the layers within the plot file determine how lines merge on each other.



2.5.2.6 Raster Photo Mode

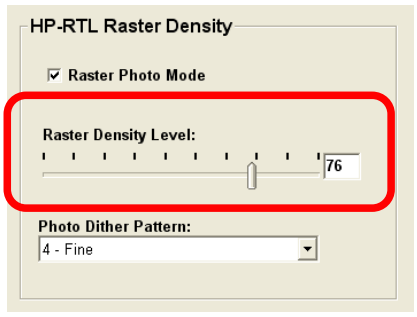
When a raster image has been embedded within a plot file, Raster Photo Mode should be used.
Raster Photo Mode can be applied to all drawings, whether they contain raster images or not. Some raster images may wish to printed in 100% solid rather than the original shading of the image.





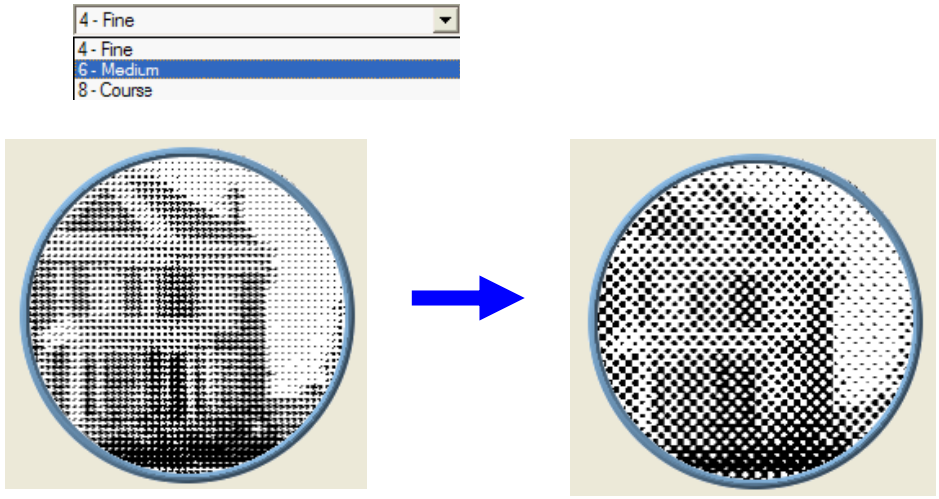
2.5.2.7 Raster Density Level

This slide bar will modify the density level of the embedded raster image. The scale range is from 0-100. The higher the number on the scale, the darker the image will be. A density level can also be keyed into the text field.



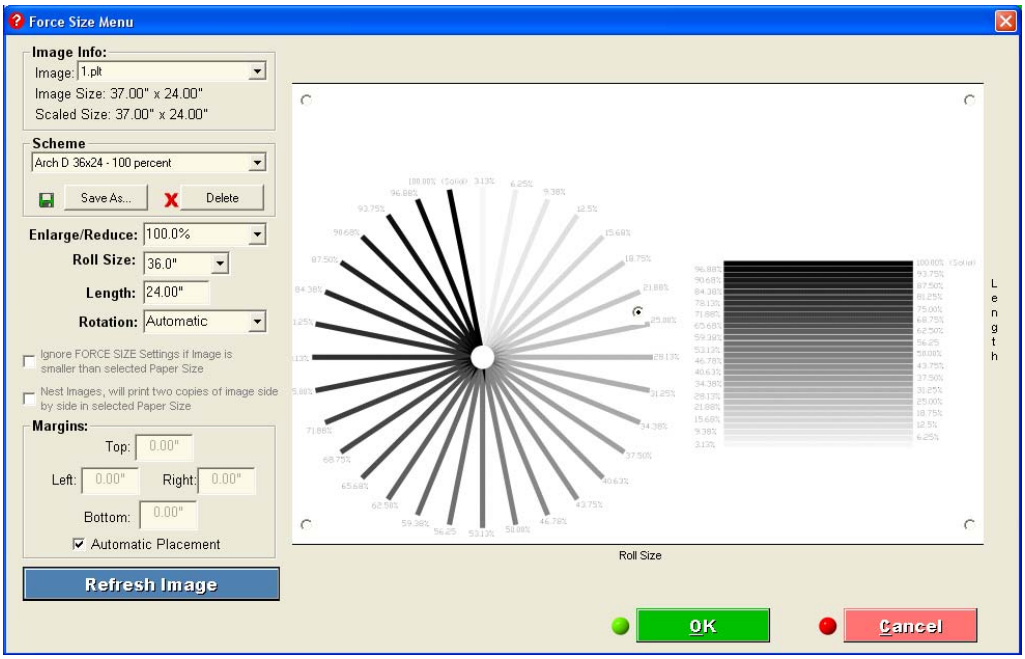
2.5.2.8 Photo Dither Pattern (Raster)

Users have 3 choices of raster dither output patterns. There is no 'correct' setting. Set according to user preference.

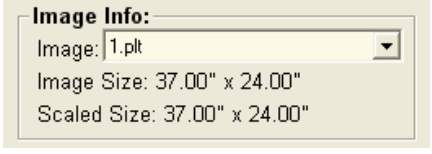


2.5.3 Enlarge / Reduce

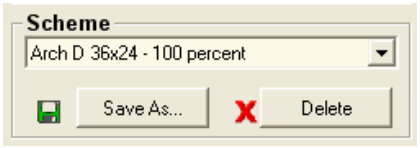
This button allows the for scaling of the image and advanced page sizing for printing. All setting will be saved as a scheme for later use.



2.5.3.1 Image Information – The current selected file size and any scale applied to it will be displayed here. To note any other selected (tagged) files, use the drop down to select the required file.



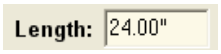
2.5.3.2 Scheme – Allows a predetermine scheme (group of settings) to be applied to the files for printing. The creation or deletion of zoom/media schemes is also preformed here.



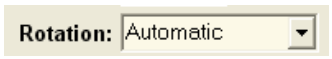
2.5.3.3 Enlarge / Reduce – Select from predetermined zoom ratios with the drop down or enter a custom value in this field

2.5.3.4 Roll Size – Select The roll width to be printed on. Please note that this width must be installed into the printer for the job to commence printing . Please see the Printer Info at the bottom of the main screen to confirm the rolls installed.

2.5.3.5 Length – the length of the page can be entered rather than using the automatic length of the zoom file. Please also not that a value of "0" will automatically cut the media to the length of the image to avoid any waste.

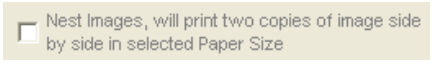


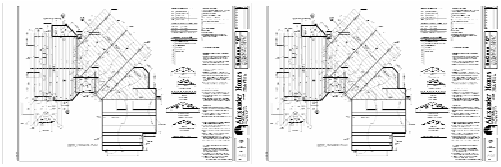
2.5.3.6 Rotation – All prints are automatically rotated to best fit the installed media. This can be changed to allow custom rotation of the image on the page configured in this screen. Degrees include 90, 180 and 270.



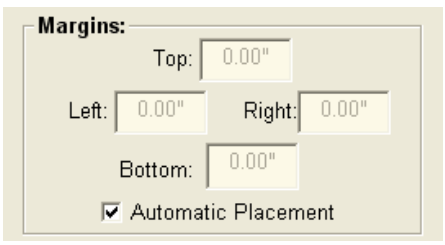
2.5.3.7 Ignore Force Size…. – If the image is smaller than the selected paper size, no zoom ratio will be applied to the image if this button is selected.

2.5.3.8 Nest – to avoid wasting media and at times to increase print production, two images can be set side by side on a single page of media. (nest the images.)



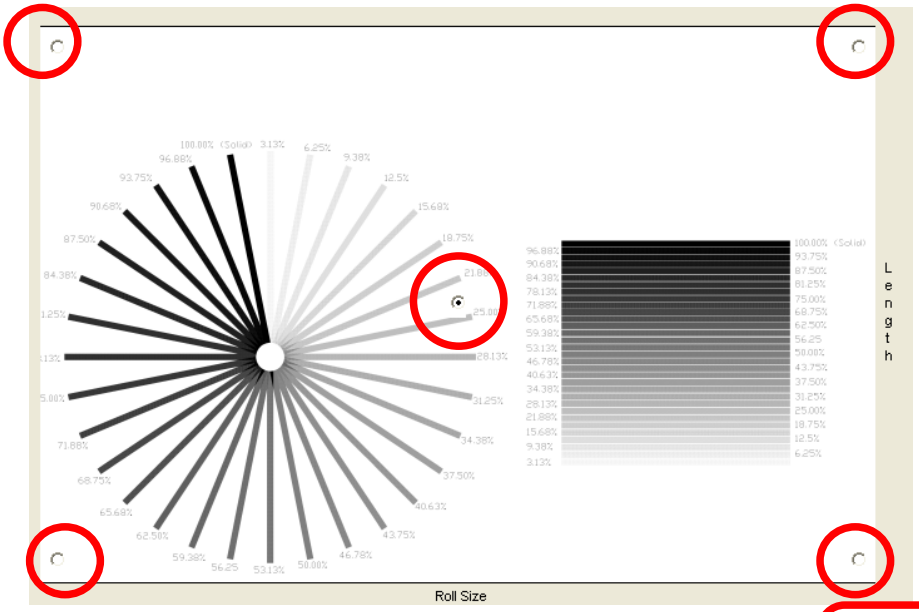


2.5.3.9 Margins – If so desires the image can be positioned on the page using these fields.



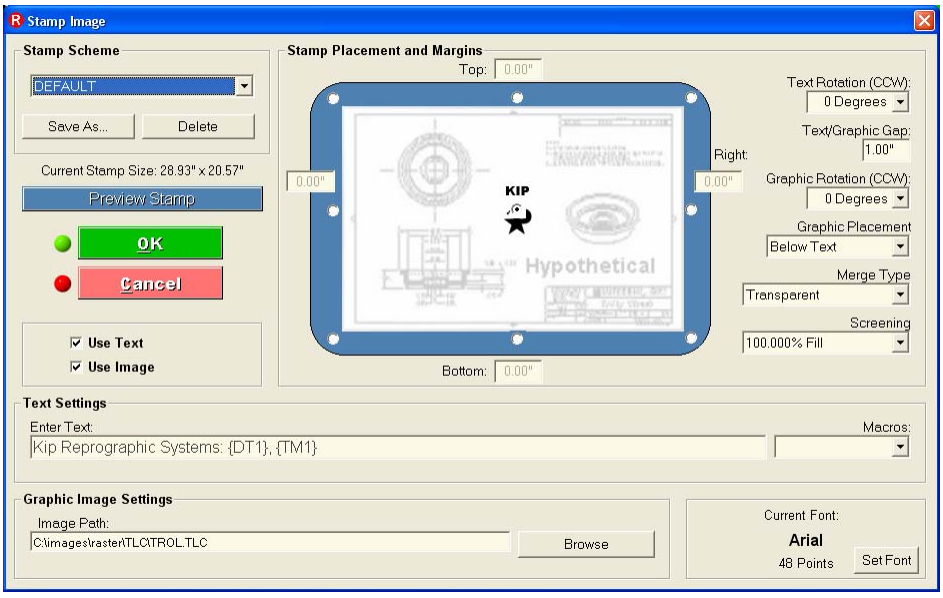
2.5.3.10 Refresh Image – after any settings are applied press this button to refresh the view box.

2.5.3.11 View Box – The view box displays the image on the page. There are also five buttons which selects the position of the image one the page as well. These are Center, upper left , upper right, lower left and lower right.



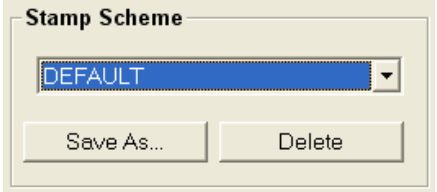
2.5.4 Stamp

The stamp button allows configuration of watermarks, stamps or overlays of images. Either or both text and graphics can be utilized.



2.5.4.1 Stamp Schemes-

Custom Stamp settings are saved as schemes which can be used. All “stamps” are to be saved prior to their use.



2.5.4.2 Use Text

Allows the user to place text in their stamp.

2.5.4.3 Use Image

Allows the user to place an image in their stamp.

2.5.4.4 Current Font Area

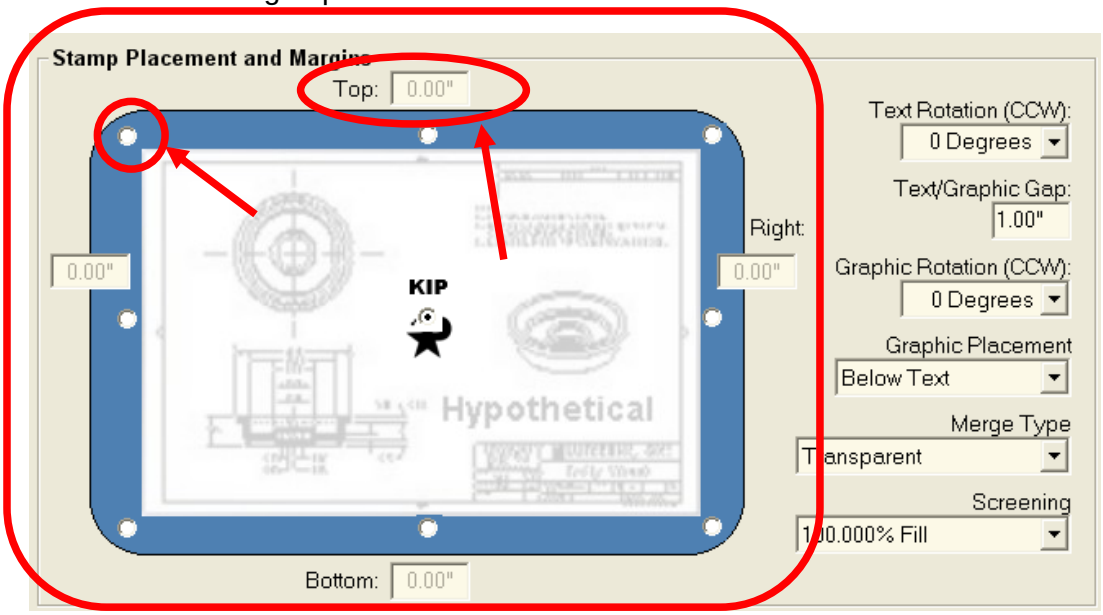
Details the settings for the current text. Click SET FONT to change the settings.

2.5.4.5 Set Font

Allows the selection of the font size and type. This feature uses the standard Windows font set and sizes.

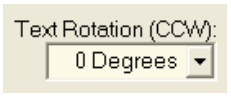
2.5.4.6 Stamp Placement And Margin Area

Allows placement of the stamp in **9** preset locations. Then margins can be applied to move the image up to 5" from the selected border.



2.5.4.7 Text Rotation – Pull down

Allows the user to rotate (counter clockwise) the text portion of their stamp in 45° increments. User may also click on the "KIP" in the Stamp Placement area to cycle through the Text Rotation options.

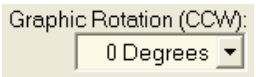


2.5.4.8 Text / Graphic Gap – Text Field

If so selected, a space of up to 5" can be applied between the Text and Graphic stamps.

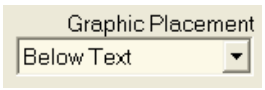
2.5.4.9 Graphic Rotation – Pull down

Allows the user to rotate (counter clockwise) the graphic portion of their stamp in 45° increments. User may also click on the " Logo" in the Stamp Placement area to cycle through the Graphic Rotation options.

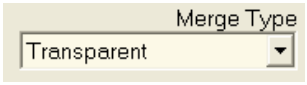


2.5.4.10 Graphic Placement – Pull down

Determines the placement of the graphic in relation to the applied text. This is ignored if text is not applied.



2.5.4.11 Merge Type – Pull down



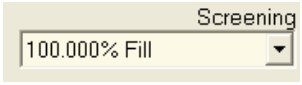
A. Opaque – Displays the stamp on top of the image. The background of the stamp is white and will obscure some image.

B. Transparent – Overlays the stamp on top of the image. The background of the stamp is transparent.

C. Invert – Displays the stamp on top of the image. Colors are inverted where the data intersects

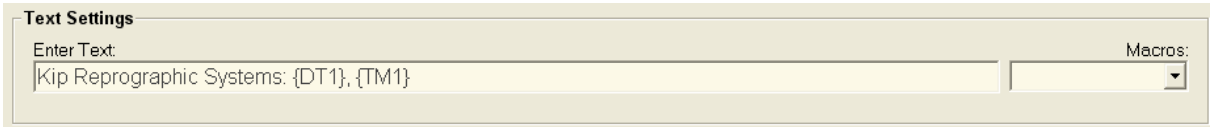
2.5.4.12 Screening – Pull down

Allows the user to define the screen level (shading) of the stamp using pre-set screening percentages.



2.5.4.13 Text Settings Area

Enter the text of the stamp. Add a Macro within the text if desired.



2.5.4.14 Macro – Pull down Menu

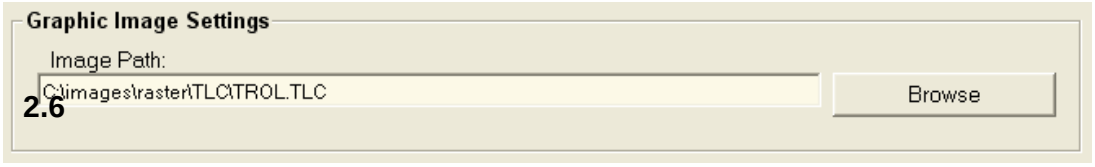
Choose a macro from the list to apply information at print time, such as Requester name, time of day, etc.

2.5.4.15 Graphic Image Settings Area

Displays the path to your selected graphic image. The path is relative to the user's workstation.

NOTE:

1) The image file must also reside on the KIP IPS, it may be copied manually to the same folder location on the IPS as the workstation.
2) Or you may apply the stamp to document with a file label called **"Savestamp.tif"**. It will then automatically be copied from the workstation to the KIP IPS.



2.6

2.5.4.16 Preview Stamp

Click to see the configured Stamp settings in the viewer. Use CRTL+TAB to cycle through text and image.

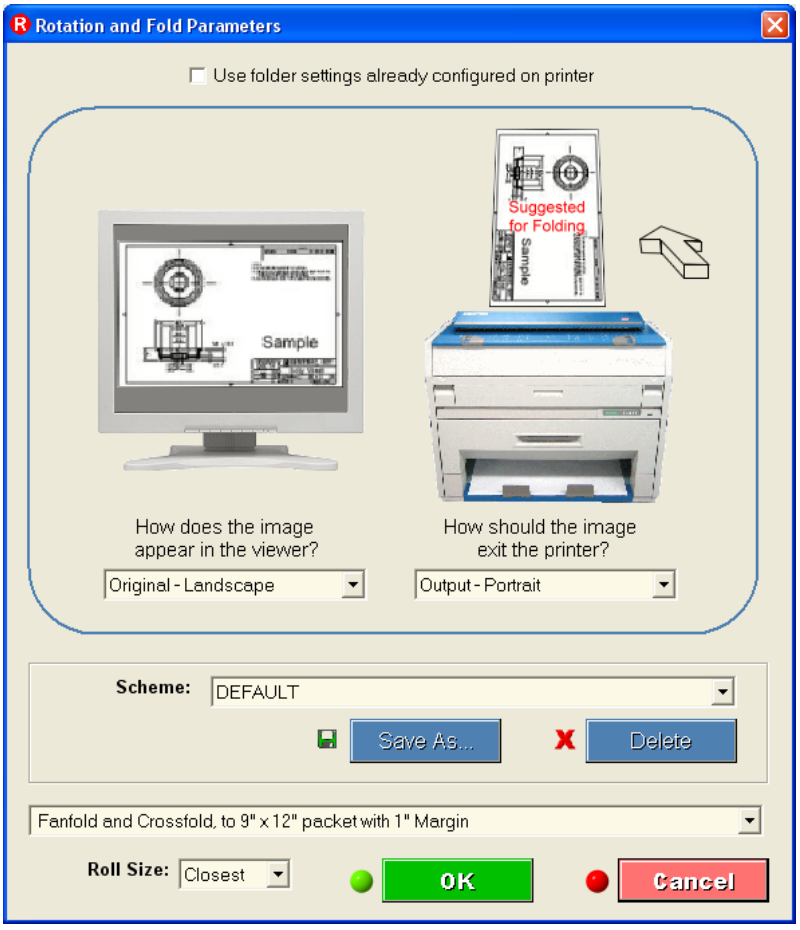
2.5.5 Fold

Request allows the users to create Fold and Rotate schemes. These folding features can be used with the KIPFold folding systems. The Request program reads settings from the printer (p*resets.ini* file in the LOGDIR folder) and displays the folding choices in a dropdown menu.

Folding can be accomplished in methods:

A) Allow the printer to determine the rotation and pattern
B) Override the printer settings to have rotation and patterns set in the Request.

The choice between the two methods depends on the installation environment. That is if a small number of document sizes are to be folded with a standard set for width, length and orientation the most simplest way is to have the printer control the folding (requires setup by qualified technician) If the documents can vary with orientation, then this must be configured in request and printed / folded in this manner. You can also override method a with B at any time with for greater flexibility.



(Method A)

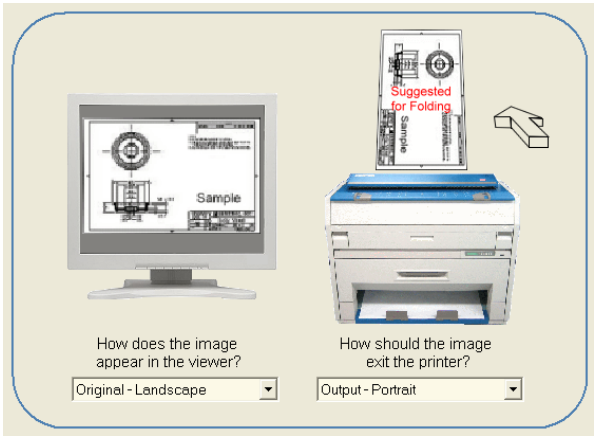
2.5.5.1 Use Folder Settings…on Printer

Use this button to enable the printer to determine the orientation and fold pattern.

(Method B)

2.5.5.2 Orientation

Allows the user to select the file orientation and output orientation of the fold. The output is important due to the fact that folders require the title block in a particular corner. This is dependent on the model of folder.

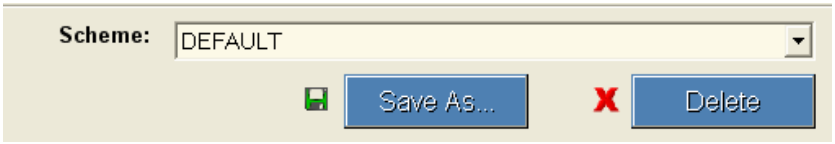

Sample
Suggested for Folding
How does the image appear in the viewer?
How should the image exit the printer?
Original - Landscape
Output - Portrait

Left Side is for the file

Right Side for Output

2.5.5.3 Scheme

Once a satisfactory setting is achieved, it can be saved as a scheme for actual use. Schemes not required can be removed as well.



2.5.5.4 Fold Patterns (available)

The Request program reads settings on the printer (p*resets.ini* file in the LOGDIR folder) and displays the folding patterns available in a dropdown menu. These pattern type are configure by the technician.

2.5.5.5 Roll Size

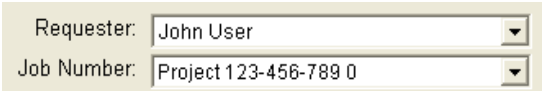
Allows roll selection to be automatic (closet) or precise (exact). Lease note that some images may nee to be exact or correct fold pattern will not be attained. If Exact chosen then the media width of the file must also be installed in the printer.

2.5.5.6 Matrix Folding

KIP Request also incorporates Matrix Folding. Users can select different folding schemes for individual documents within a set. (see 2.3.5)

2.5.6 Header Label

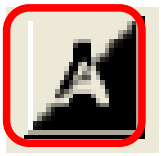
A header can be placed on the top or bottom of each print. This can allow for easy document identification of the prints. Information from the Key Job Settings (Requester and Job Number) are included as well as the file name, date and time of printing



2.5.7 Mirror

Mirror the image on the print.

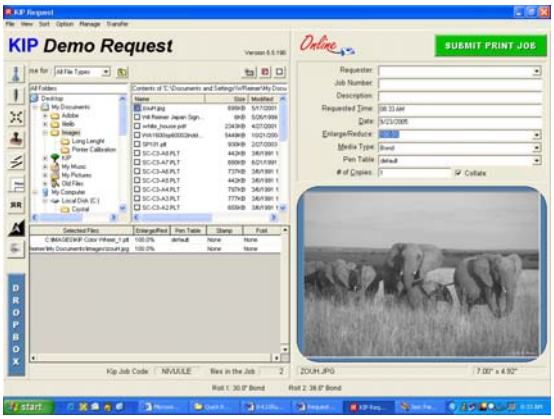
2.5.8 Invert

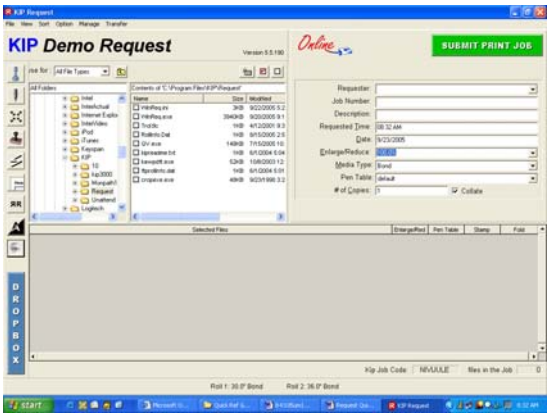


Inverts the image on the print(s).
(makes black area white and a white area black)

2.5.9 Quick View

Click on this button to display a viewer in the bottom right of the main Screen Click again to remove the viewer. (click on a file , then click inside viewer box to see the image.)





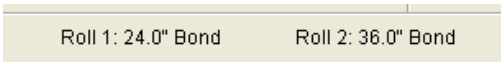
2.5.10 Manage

Press this button to manage the print que. Password required.(not for use with KIP 3000)

2.6 Printer Selection

The label or name of the printer can be used to send jobs to multiply KIP printers on the network if so configured. Click on the name to select the printer to send the job to. Printer status will also be displayed in the lower area of the main screen.(see Printer information 2.7)

2.7 Printer Information



Roll status, cover or door opened, toner requirement, misfeeds, and other selected printer status' are displayed in the lower center of the main screen.

2.8 Menu

Like most other Windows based application a menu is located at the upper left of the main screen. This allows for "menu text" based configurations and settings, which most functions are discussed is other sections of the guide.

2.8.1 File

2.8.1.1 Submit Job

Submits a job after files selected

2.8.1.2 Exit

Exits Request software

2.8.2 View

2.8.2.1 Refresh

Updates the directory and file information in the main screen.

2.8.2.2 Quick view

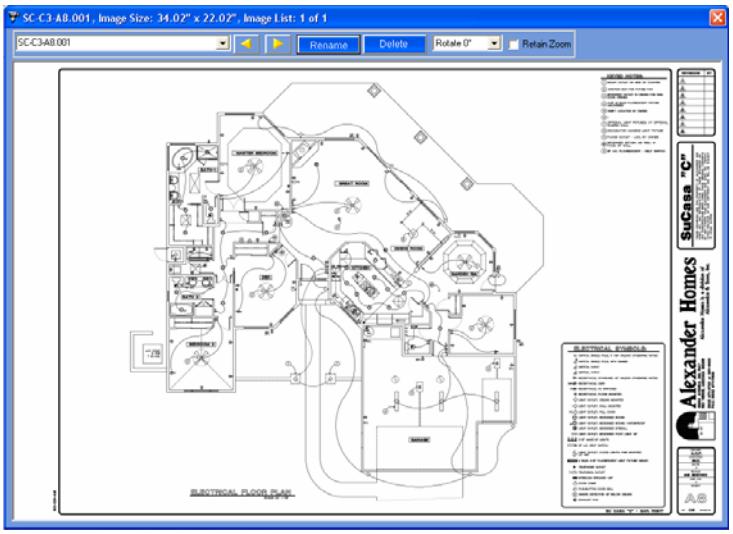
Allows a view of the selected image with greyscales (see Quick View 2.5.8) There are no panning or enlarge view tolls in this viewer.

2.8.2.3 View thumbnail

Allows a thumbnail view of a selected image in the lower right corner of the main screen.

2.8.2.4 View selected image

Allows the customer to view any accepted raster or vector file that is highlighted. *(NOTE: .CGM files are not viewable from this feature.)* This viewer allow panning and other viewing tools.



Notes:
- zoom into areas of by holding down the right mouse button and drawing a zoom area to be seen in red.
- Click on any area to zoom back out

2.8.2.5 View all tagged images

Opens all tagged files in the viewer noted in d). Use the “arrows” to view the next document or the dropdown to view the selected document.

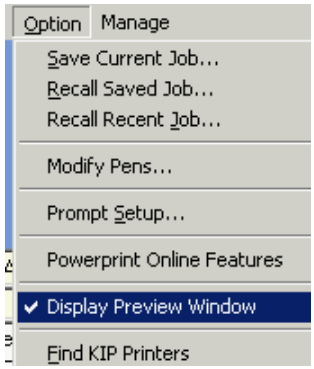
2.8.2.6 Convert all tagger to…

Will convert the selected file(s) to any of the accepted raster formats. (TIFF Group 4, CALS Group 4, .PCX, .TLC, .CIT or .PDF) You will also be prompted to the placement of the files once converted.

2.8.3 Sort

This menu is the same as File Order in 2.3.6. Please see this section for details.

2.8.4 Option



2.8.4.1 Save Current Job

Allows the user to save the job file list and the applied settings. The complete name (including path information) can use up to 256 characters. (Does not save the files, only the file settings)

2.8.4.2 Recall Saved Job

Allows the customer to recall and reprint a job that has been previously saved.

2.8.4.3 Recall Recent Job

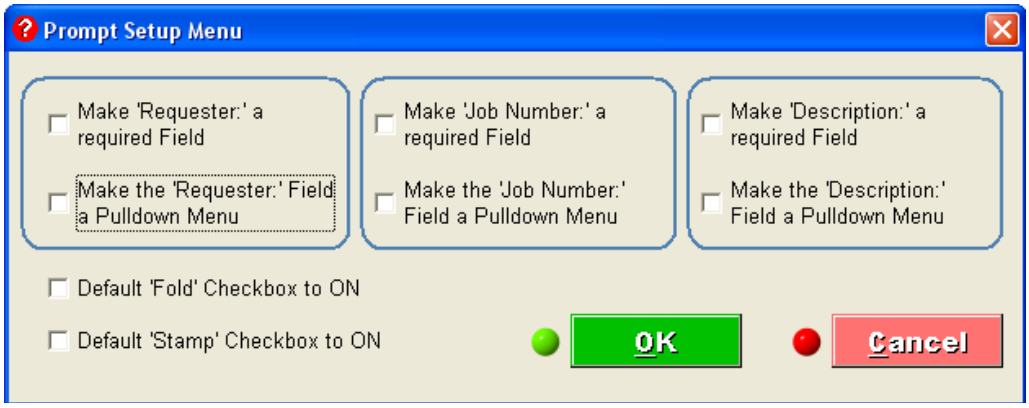
Request saves the job information for the last 15 Requested jobs. RECALL RECENT JOB allows the user to recall one of these jobs.

2.8.4.4 Modify Pens (Plot file setup)

Allows the user to apply and modify the settings of vector plot files. Users can override files' pen table and screening information. Plot File Setup also lets the user apply borders, modify halftone settings, dither patterns, and more. Please see 2.5. and 2.5.2 for greater details

2.8.4.5 Prompt Setup

Prompt Setup lets the Administrator define mandatory settings before a job can be submitted.


Prompt Setup Menu
Make 'Requester:' a required Field
Make the 'Requester:' Field a Pulldown Menu
Make 'Job Number:' a required Field
Make the 'Job Number:' Field a Pulldown Menu
Make 'Description:' a required Field
Make the 'Description:' Field a Pulldown Menu
Default 'Fold' Checkbox to ON
Default 'Stamp' Checkbox to ON
OK
Cancel

Making Fields Required

When a field is required, the user must enter data before the job will be submitted.

Making Pull Down Menus

When checked, the user must choose from an established list of field entries. Normally, users cannot add a pull down entry without knowing the Request Master Password. Each pull down entry can also be password protected, so only the specific users can select specific entries.

Default Stamp ON

Checking this box will apply Stamping feature as soon as Request is opened.

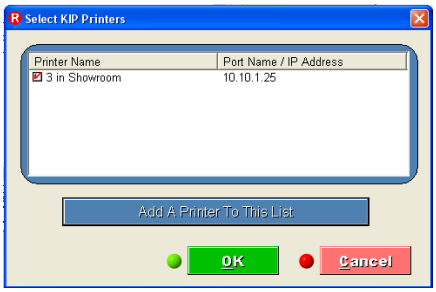
Default 'Fold' ON

Checking this box will apply Folding feature as soon as Request is opened.

2.8.4.6 Online

Online features (as discussed in Online user guide) can be turned 'On' or 'Off' by clicking on this function. Clicking on the button adds the ' Online' menu to the main requester screen. ONLine is not a function of Request with the KIP 3000. Please see KIP PrintNet

2.8.4.7 Find KIP Printers

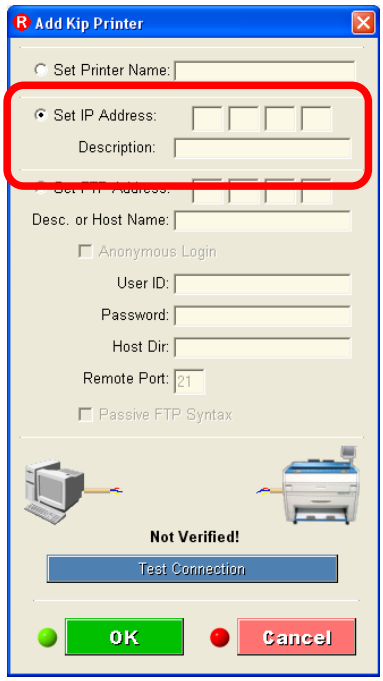


This menu allows users to attach to KIP Printers or Add a new KIP Printer. **FIND KIP PRINTERS** will automatically search for shared KIP Printers installed, and will add them to the list of available printers. Simply check the box next to the printers to which you would like to submit prints. Click OK to finish.

Add a Printer

There are two methods to adding a printer to the list. By IP address or IPS name. We recommend IP address only for the KIP 3000. Please contact the Network Administrator for the IP address of your KIP 3000.

Details of the settings / configuration are noted in Section 5 - Request Installation.



2.8.5 Manage

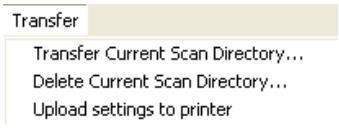
From the MANAGE Menu, users can VIEW THE SELECTED PRINTER'S QUEUE. This option will display the contents of the Printer Queue. Users will be able to see the main IPS screen, but will not be able to manipulate it in any way.

Users can also MANAGE THE KIP PRINT QUEUE if they know the Request Master Password.

NOTE: A user who can MANAGE the queue is able to manipulate the system!

It has been incorporated for ease of use for making file updates to the KIP internal controller. This feature works with IP based printers only. Upon clicking this feature, the user is prompted with an explorer window to choose and pick a file meant to be placed on the KIP controller. For example, if the user was making an update to the IPS software with a new executable, one would select the file at the 'Requester' workstation. Upon selecting and clicking ok, the new executable would be copied into 'C:\Monpath1\Installers' on the KIP IPS. An administrator would then use the management capability of Request to open up the print queue. Upon opening Windows explorer on the KIP IPS, the administrator could browse to the C:\Monpath1\Installers folder and perform the required upgrade. This function has mainly been established for ease of use by any administrator to make software upgrades.

2.8.6 Transfer

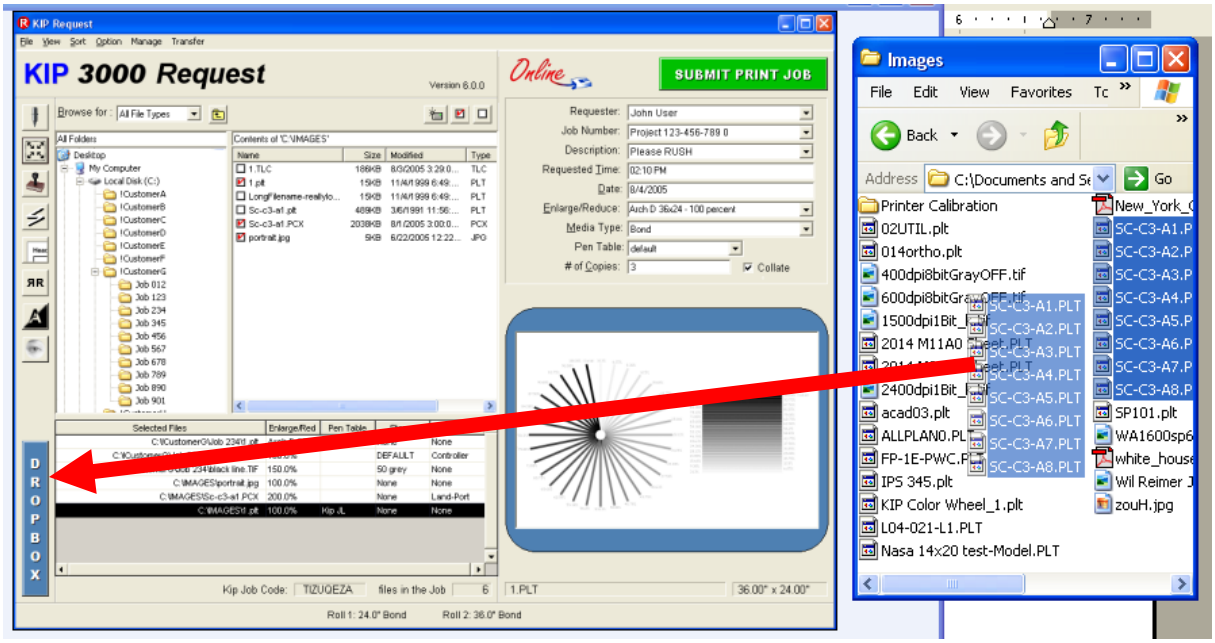


See Section 3.0 for Scan Retrieval / Deletion . Upload Settings is a network administrator function. See Admin Service Function)

2.9 DropBox

The DropBox can be used to select files rather than use the Folder Select (2.1) and File Select (2.2). This region allows “Drag and drop” functionality.

1) Use Windows Explorer to locate the printable files (or other file viewing utility).
2) Select the files using Windows conventions and then drag them with the mouse and drop the files into the DropBox.



3) The files selected will now appear in the Job List region.

2.10 ONLine

KIP ONLine is not available for the KIP 3000 systems.
Please see KIP PrintNet for simular web based submission function.

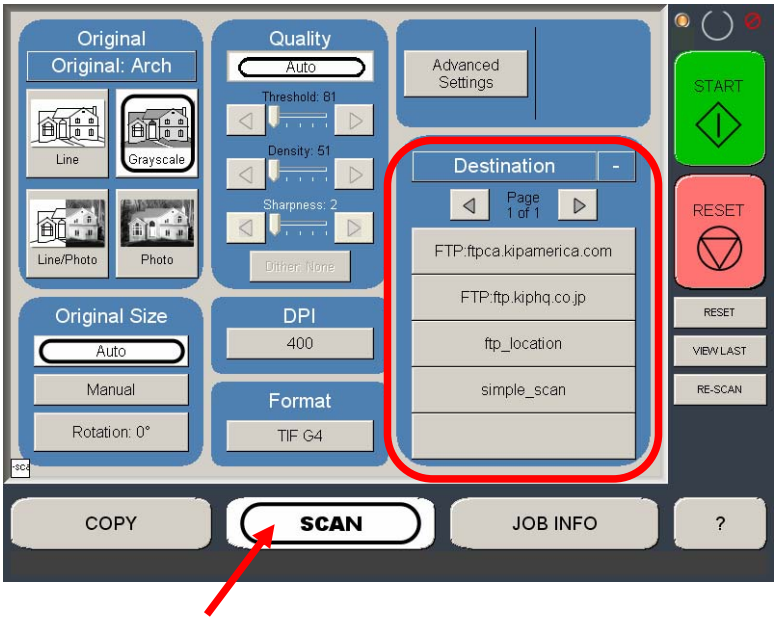
3. 0 Retrieve Scans

3.1 Mailbox Retrieval

Documents scanned on the KIP 3000 can be retrieved with the KIP Request software. These are documents scanned into mailboxes on the IPS.

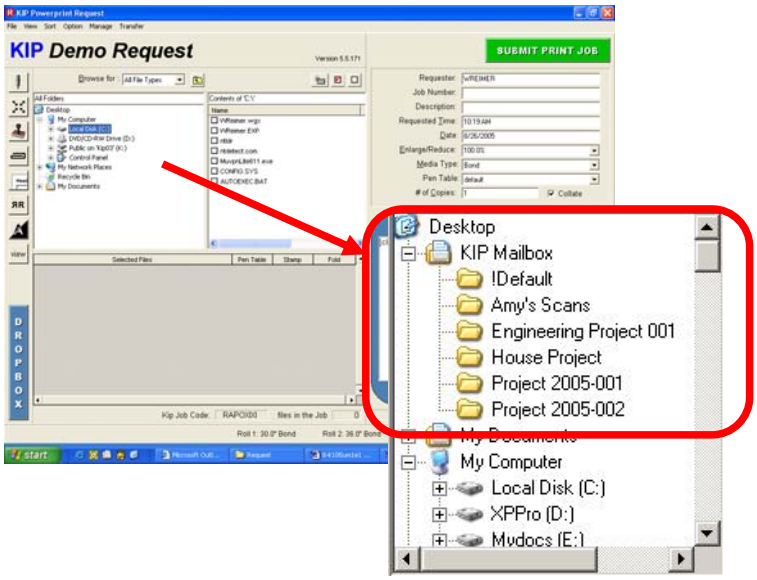
The mailboxes can be created and selected in the KIP 3000 Scan Mode. Please see the Scan Section for greater detail on the use.

KIP 3000 Scan Mode



To retrieve documents that are scanned into a mailbox use the Request in the following manner:

1) Use the Folder selection area to browse to KIP Mail Box located under "Desktop" (on the local drive)

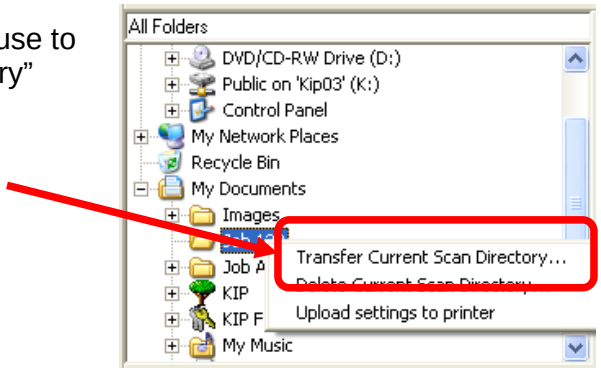


2) Click on KIP Mailbox and listed are all the KIP 3000 Mail boxes on the KIP 3000 IPS.

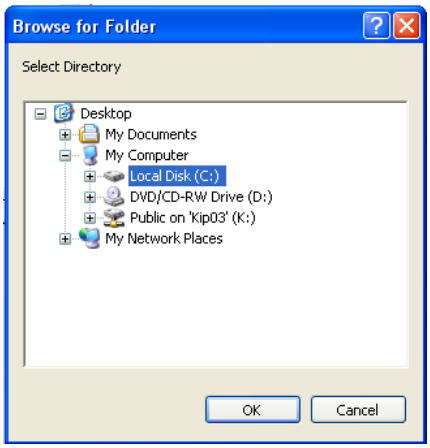
Note: FTP locations are not shown here, only IPS mailboxes!

3) Click on the mailbox (folder) that contain the scanned images that are required.

4) Right Click with the mouse to "Transfer Current Scan Directory"



5) A screen will appear to allow the Mailbox directory to copy scanned files to local drives or networked storage locations.



6) After you have copied the files it will ask if you wish to delete the folder on the IPS. This can be preformed at this time if so desired.

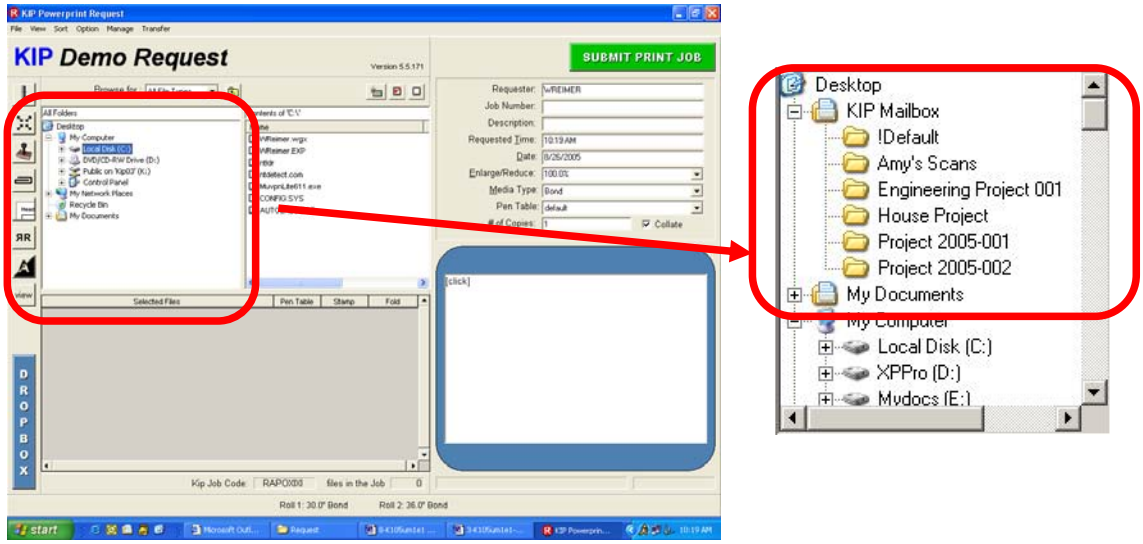
7) After the folder with the scanned images has been copied other tasks can be preformed with KIP applications and other third party applications:

a) database the images
b) image editing
c) KIP Request
d) any other image tools applications

3.2 Mailbox Deletion

To remove a Mail box, use KIP Request in the following manner:

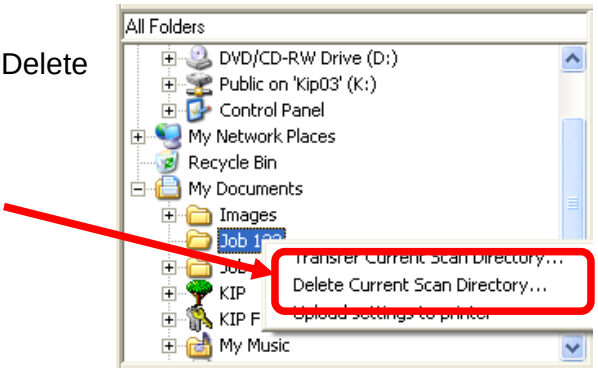
1) Use the Folder selection area to browse to KIP Mailbox on the local drive



2) Click on KIP Mailbox and the list of ALL the KIP 3000 Mail boxes on the KIP 3000 IPS will be seen..

3) Click on the mailbox (folder) that contain the scanned images that are no longer required.

4) Right Click with the mouse to “Delete Current Scan Directory”



5) A “Delete Folder” confirmation screen will appear to confirm the command.

ONCE DELETED, THE FOLDER and FILES ARE PERMANENTLY REMOVED!

4. 0 KIP 3000 Copier Configurations

Please see the “Administrator/Service Functions of the KIP 3000” document to add and control these features or functions!

5. 0 Request Installation

5.1 Installation

Two methods are available to install the KIP Request software on a Windows workstation.

1) Use an installed and configured KIP Windows Driver to gain access to the KIP Request Installer.

2) Use the KIP Installation CD provided with the KIP 3000 (Installation software should also be located on your local KIP companies web site if this CD is not available, Please ensure Installer version is correct for your KIP 3000 system!)

5.1.1 Requirements

Workstation operation systems can be:

Windows 2000
Windows XP

Administrator access is also required to install the software.

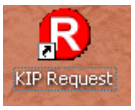
5.1.1 Windows Driver Access

1) click on “Start”, then “Printers and Fax”, and locate the KIP Windows print Driver in the list of installed printers. If you do not see a KIP printer you should now use the CD Installation.
2) right click on the driver and select “Properties”.
3) On the “Device Settings” tab will be a “INSTALL KIP REQUEST” Button.
4) Double click on the button and follow the prompts. Please accept the default settings for easy of configuration.

5.1.2 CD Installation

1) locate the KIP Software CD and place in disk drive.
2) Browse CD for INSTALLATION and KIP Request.
3) Follow the prompts and select all defaults settings for easy of configuration.

5.1.3 First Time Run



After the software installation is complete, the application can be run from the Desktop (icon shown) or from the “Start” ,then “All Programs , then “KIP Programs”, KIP Request . It may take several minutes for the first time launch as it attempts to find configured KIP devices. (see 5.2 Connection to KIP Printers)

5.1.3.1 Master Password

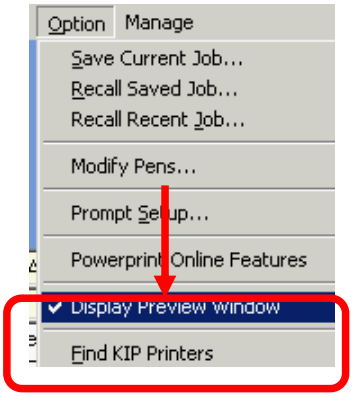
Upon starting Request for the first time it will ask for a MASTER PASSWORD. This password allows access to the Prompt Settings (accounting) configurations. This password will be used by the department manager or network administrator. Please key in a password noting that it will be required in the future. Once set the password can not be changed.

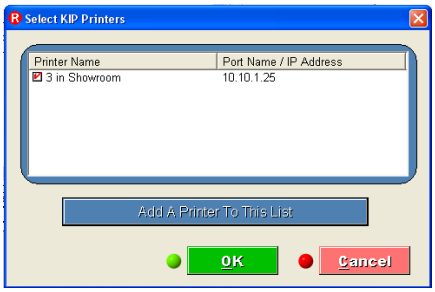
5.2 Connection to KIP Printers

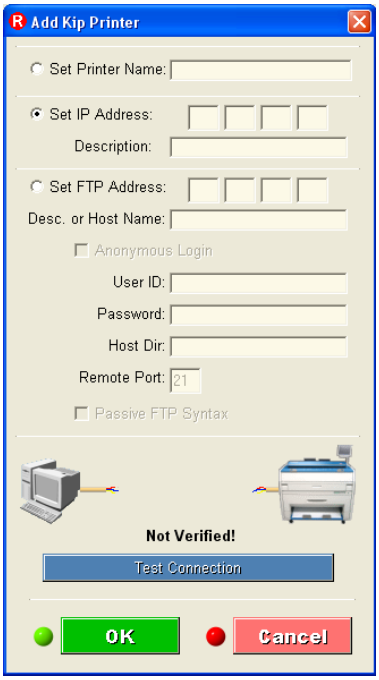
Once the application is installed and run for the first time, it is time to connect to a KIP device. Please ensure that the KIP printer is plugged in and turned on, and the address IP settings configured. (see Section 11 Connectivity)

5.2.1 Find KIP Printers

Using the upper menu, select “Option” and then “Find KIP Printers”.







1) From the FIND KIP PRINTERS window, click ADD A PRINTER TO THIS LIST.

2) Select SET IP ADDRESS and enter the IP Address of the KIP IPS.

3) In the “Description” field, key in a friendly Printer Name that the User can recognize. (model number such as “3000”)

4) TEST the connection.

Note : If the IP address is invalid, the following message is seen.

5) Click OK to return to the SELECT PRINTERS screen and ensure that the printer is selected with a check mark.

6) Click OK again to return to Request Screen.

7) The roll information should now be seen in the lower main screen as well to confirm connection.

5.3 Other Installation Considerations

5.3.1 Prompt Setup

If Accounting is desired please see 2.8.4.5 in this section of the User guide. This also uses the MASTER PASSWORD to configure.

5.3.2 Pen Tables

1) Pen widths and pages sizing are usually part of today's plot files. If older languages are used please ensure that a pen table is created for the installation requirements. Please see 2.5.1 in this section of the User Guide.

2) Raster and Hybrid files are quite common. Please see the "Advanced" button under "Pen Table" for any customization required. Please see 2.5.2 in this section of the User Guide. The final result on the print may be your best guide to the desired settings.

5.3.3 Advanced Configuration and Settings

The KIP Request Application is customizable. For these advanced customizations please see the Appendix 6.0 - INI Configuration. Please note that any syntax errors in the INI will cause issue with the KIP Request. Modification of the INI is to be performed with great caution.

6. 0 Appendix

6.1 Folding - Technical description

Fold parameters are assigned similar to Stamp (.STP) files and Pen Table (.PEN) files as explained in the KIP Job Ticket Integration Information. In the job ticket folder, there is a job sub-folder containing text files that refer to the .STP, .PEN files for stamping and pen tables, there is now a new file referred to as a .FLD file that contains fold parameters.

In Stamping a particular image, the job sub-folder must contain files such as 0000.SSP which contains the name of the .STP file associated with stamping the first image in the job. The content of the .SSP file is actually the name of the .STP file (also in the job sub-folder) to be used by the Unattend program in stamping a particular image. Subsequent images are stamped by using 0001.SSP, 0002.SSP to stamp image number 2 and 3 in the job. The numbering refers to the order of the documents in the .KIP ASCII Job Ticket. This method is duplicated for setting a fold parameter to work with image number 1, using 0000.FLP, then image 2 using 0001.FLD etc.

Action	Actual File	Reference File:
Stamp	.STP, default.stp, not for construction.stp, etc.	0000.SSP, 0001.SSP, 0002. SSP containing a .STP filename to apply to document 1, 2, 3 as listed in .KIP ASCII Job Ticket.
Pen Table	.PEN, default.pen, etc.	0000.PPN, 0001.PPN, 0002.PPN referring to .PEN filename to apply to document 1, 2, 3 as listed in .KIP ASCII Job Ticket
Fold	.FLD, default.fld, 36x24.fld, etc.	0000.FLP, 0001. FLP, 0002. FLP referring to .FLD filename to apply to document 1, 2, 3 as listed in .KIP ASCII Job Ticket

.FLD File Contents (sample)

[KipFolderSettings Ver. 1.0]
FolderOriginalOrientation=0
FolderOutputOrientation=1
FolderRollSize=0
FolderPreset=2

Definitions of the .FLD
FolderOriginalOrientation
Defined as landscape =0, portrait=1, reverse landscape=2, reverse portrait=3. The PPT Unattend uses this information combined with “FolderOutputOrientation” to calculate a final rotation parameter used in creation of the TIF Pack bit file before printing. Note: When using the KIP Folder all images must print in Portrait mode with title block exiting the printer last in order to fold properly and finish with the title block showing.

FolderOutputOrientation
Defined as landscape =0, portrait=1, reverse landscape=2, reverse portrait=3. The PPT Unattend uses this information combined with “FolderOriginalOrientation” to calculate a final rotation parameter used in creation of the TIF Pack bit file before printing. Note: When using the KIP Folder all images must print in Portrait mode with title block exiting the printer last in order to fold properly and finish with the title block showing.

FolderRollSize
Used to lock printing to a specific roll size used in folding this document. Valid values are 0=36” roll, 1=34”, 2=30”, 3=24”, 4=22”, 5=18”, 6=17”, 7=12”, 8=11”, 9=8.5” or the word “Closest”. If using a value 0-9, the controller will prompt the user for this media size before continuing to print. This will stop the printer and other jobs from printing until the user inserts this size of media. If “Closest” is used, the Controller will use the media that fits the image the best after applying the rotation specified. Note: If using Force Size feature of the Job Ticket you must also use the same Roll Size for Force Size in FolderRollSize of the .FLD file.

FolderPreset=2
Refers to the preset in the Kipfoldpreset.ini. The settings defining packet size, margin, and fan and cross fold settings are set in the kipfoldpreset.ini by the technician at the controller. As a feature of Request 5 SR3, user can display the names of these settings in the new Rotate/Fold menus. The Request obtains a copy of the kipfoldpreset.ini from the current Log Directory (Log Directory as set in Unattend, Configuration, Miscellaneous Setup) named “presets.ini”.

6.2 INI Configuration

Custom Settings Fields in the
Request Configuration Settings File: *Winreq.ini*
[Location: C:\PROGRAM FILES\WINDOWS REQUEST\WINREQ.INI]

[GENERAL]

MultipleRequests=(True, False or Clear, Default=Clear)
Using 'Clear', clears any previous entries from 'Requester', 'Job number' and 'description' fields each time *Request* software is closed and re-started.
Using False Closes the app. after each submission.

LocalRequest=(0, 1, Default =0)
'0' is 'false' and '1' is true.
'LocalRequest=1' is used when the Request app is run on the IPS.
Set to 0 for failsafe operation

SelectMultiple=(0, 1, Default =1)
'1' – allows users to add the same name file up to 9 times in the same job. (for ONLine)

SaveRequest=(0, 1, Default =1)
'1' - Job submitted using Request are saved in 'Recall folder'
'0' – no jobs are saved in recall folder.

PrintView=(0, 1, Default =1)
Printview is used to view the output on the screen as before submitting it to the printer. This is different than right clicking on the file and using 'view selected image' as Printview uses information from 'stamp', 'rotate', 'invert' and 'mirror' selection before making an output for viewing.
'1' – Allows to use printview capability
'0' – views the file but does not use the fields as described above.

DisplayPreviewWindow=(0, 1, Default =1)
'1' – preview window is available for looking at images before submission
'0' – removes the preview window from requester screen

OnlineFeatures=(0, 1, Default =1)
'1' – allows usage of Online features.
'0' – disables usage of Online features.

PreviousSort=2
Reads and displays information about how files were sorted inside Requester window. Files can be sorted by their names (ascending, descending), by size or by modified date. The value here is used for troubleshooting purposes.

FileType=8
Displays how many entries that are available under 'Browse for' section inside Request software. Diagnostic purposes only.

StatusDelay=30

Time in seconds that Request software will wait to read status information (roll information, error condition) from the printer.

PenDir=C:\Program Files\Windows Request\Pens
Records and displays location of the 'Pen table' being used for printing.

LastPen=default.Pen
Records and displays the last pen used for file submission

LastDir=C:\IMAGES
Records and displays the last folder where the files were printed from.

DefaultRequester=%UserName
Shown here using an environment variable called UserName. You may also enter information after the "=" that will be displayed in the REQUESTER field each time the Software is started. Up to 30 characters may be used.

DefaultDistribution=%Distribution
Shown here using an environment variable called Distribution. You may also enter information after the "=" that will be displayed in the DISTRIBUTION field each time the Software is started. Up to 30 characters may be used.

DefaultDescription=%Description
Shown here using an environment variable called Description. You may also enter information after the "=" that will be displayed in the DESCRIPTION field each time the Software is started. Up to 30 characters may be used.

Prompt=Distribution
This line allows the user to customize the Distribution field name.

RequesterPrompt=Requester
This line allows the user to customize the Requester field name.

TextSize=0.10"
A KIP text header will be applied to raw files dropped into a monitor path. This value determines the size of the header, in inches.

TextPos=0
A KIP text header will be applied to raw files dropped into a monitor path. This value determines whether the header appears on the Leading Edge (0), or Trailing Edge (1).

The next section above contains the paths to the internal programs that Unattend uses to detect, convert, merge, and move files. If the required programs are not in these default locations, a Runtime Error 53 (File Not Found) will occur.

ExportExe=C:\PROGRAMS\DS\MTP.EXE
ViewExe=C:\Programs\ultrav.exe
RemoteControlExe=C:\Programs\vncviewer.exe
Raster2Tlc=C:\Programs\DS\MTF.Exe
Vector2Tlc=C:\Programs\DS\MH2.Exe
CropExe=C:\Programs\Cropexe.Exe
TlcMergeExe=C:\Programs\DS\MI.exe
TiffViewer=
AutoRecognize=c:\programs\DS\MAD.exe

PowerScriptExe=c:\programs\DS\pscript.exe

KipPortExe=C:\Programs\KawPDFT.Exe

RecallDir=C:\Programs\Recall

TempDir=C:\Programs\TR

MiniSize=1000,720

Units=ENGLISH (inch units or Metric)

AddHpglCmd=

Values are software switches. Used to apply custom commands to HPGL/2 files. This line may contain one switch, multiple switches, or none. Some switches are specific to certain versions of . Some are specific to certain printer models. Switches are case-sensitive. Some switches have a value after the switch, separated by a space. Multiple switches are separated by a space. You may see some of the following:

-D 300 Forces raster images to 300 DPI, to compensate for raster images looking 'squished' or out of place on some files created with HP drivers.
-G Affects greyscale level of embedded raster images. This feature is now built into the Request Pen Table. Value (1-100)
-Y KIP 8000-specific.
-Z KIP 8000-specific.

An example of how multiple switches might appear in the line:

AddHpglCmd=-D 300 –G 50

DebugVal=999

Used for diagnostic purposes only.

MP=à'Þ •à*ƒ*„—…000000

The encrypted master password as set by the installer

ST=00

This next section (MultiplePrinters) should not be configured outside of the GUI of Request

[MultiplePrinters]

RequestDir0=c:\monpath1\request
StatusDir0=C:\monpath1\logdir
MachineType0=3000

KIP IPS have at least one "Monitor Path", usually on its own c:\ drive. The KIP IPS can monitor up to 20 different paths.

Previous to the port based printing (5), this has been the method for setting up multiple printers for the requester. It allows the user to set the paths for the Request software to communicate directly with the Unattend software. This can either be drive letter mapping, or UNC naming.

The Requestdir should match the drive and directory set on the Controller in the Unattend, Configuration, Set Monitor Paths, Request Monitor Path. The

Request software will create a subdirectory here for each request and place all the relevant files for the print job in that unique directory.

The Statusdir should match the drive and directory set on the controller in the Unattend, Configuration, Miscellaneous, Log Directory. The Request software will look to this directory for the updated paper and error information created by the Unattend software at the Controller. The Log directory is read each time the KIP Icon/title bar on the Request menu is selected with the mouse.

The Machinetype allows the user to set a name for their printer. It does not have to match the actual printer they own. For instance the user could give the printer a personal name like “BOB”. This would be displayed on the KIP icon/title bar.

Additional KIP Printers.
Users may create additional groups of printers to select from directly underneath the current paths. For example:

[MultiplePrinters]

RequestDir0=C:\Monpath1\Request
StatusDir0=C:\Monpath1\LogDir
MachineType0=6000
RequestDir1=F:\abc\Request
StatusDir1=F:\abc\LogDir
MachineType1=3000 UL
RequestDir2=\\40Server\8000\Request
StatusDir2=\\40Sever\8000\LogDir
MachineType2=8000

In the Request software users can change from one printer to the next by selecting the KIP icon/title bar at the top of the Request interface. This will switch from one printer to the next and update the roll information at the bottom of the Request interface.

[KipPortPrinters]
PrinterName1=~KIP 3000

[ConvertTypes]
Type0=Group4 TIF R
Type1=Group4 CAL R
Type2=ZSoft PCX R
Type3=HPGL PLT V
Type4=KIP TLC R
Type5=Group4 GP4 R
Type6=Postscript PS V
Type7=Postscript EPS V
Type8=Adobe PDF V
Type9=JPEG JPG R
Type10=Unknown 0?? V
Type11=Intergraph CIT R
Type12=ASCII *xxx* A

(NOTE: Type 10, where 0?? Is located, represents all files that begin in 0 that are valid

Vector files. For example Microstation I-Plot files with .000 extensions.)

(NOTE: Type12. In an actual .ini file, the actual file extension would be entered. For example: Type12=ASCII INI A ; Type13=ASCII DAT A ; Type14=ASCII LOG A, etc.)

[PaperTypes]
Paper0=Bond
Paper1=Vellum
Paper2=Film
Paper3=OnHold

Addition media types can be added but they must also be added into the IPS INI

[PullDownDistribution]
ð Ï •à*ƒ*„—…˜þ™†Š ˆ ‰ ÿûýÛÝ›šŽŒœà‘Þ •à*ƒ*„—
…˜þ™†Š ˆ ‰ ÿûýÛÝ›šŽŒœ

[PullDownRequester]

[PullDownDescription]
”Ô Õ•à*ƒ*„—…˜þ™†Š ˆ ‰ ÿûýÛÝ›šŽŒœà‘Þ •à*ƒ*„—
…˜þ™†Š ˆ ‰ ÿûýÛÝ›šŽŒœ

[OutputTypes]
Type0=TLC Tiled Format -t
Type1=CAL CALS Group 4 -C
Type2=TIF TIFF Group 4 -T
Type3=PCX Monochrome -c
Type4=CIT Intergraph -G
Type5=PDF Adobe -g

6.3 Creating Productivity Reports

The KIP Productivity Reporting Package (PRP) is designed to use information gathered from accounting fields in KIP Request along with various applications that have been linked to KIP Request such as:

- KIP Request
- AutoCAD
- KIP 3000 Software
- KIP PrintNet
- KIP Copymaker (for KIP 2000 series scanners)

By sharing accounting data generated from KIP Request, users have the ability to link multiple applications using the same accounting rules. This system allows managers to generate reports that have valuable accounting information and can be manipulated by the user to get the desired output including the following:

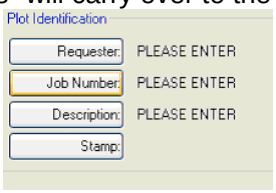
- KIP productivity reporting package generates reports of meter readings and accounting data on a daily, weekly or monthly time cycle.
- Reports include detailed authorization, accounting and meter information.
- PRP reports can be opened with Notepad or exported as an ASCII file format.

There are three main accounting fields in the Request software:

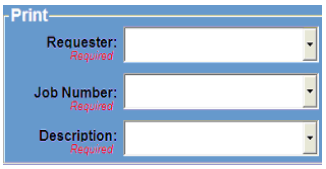
1. **Requester** – This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs.
2. **Job Number** - This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs. This field is tied to **ALL** Reports!
3. **Description** - This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs.

When these fields are set up correctly and have been configured as “required” in the Request software, the “rules” will carry over to the other applications.

AutoCAD



Copymaker



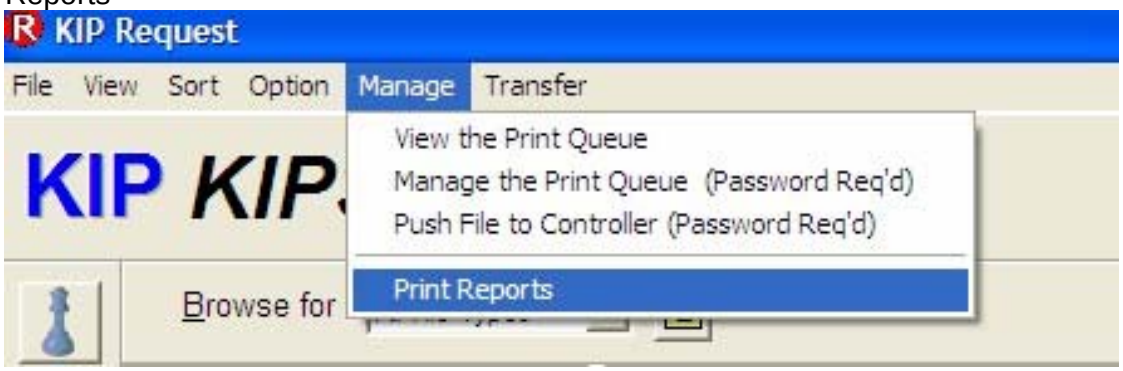
KIP 3000 User Log on Screen

PrintNet

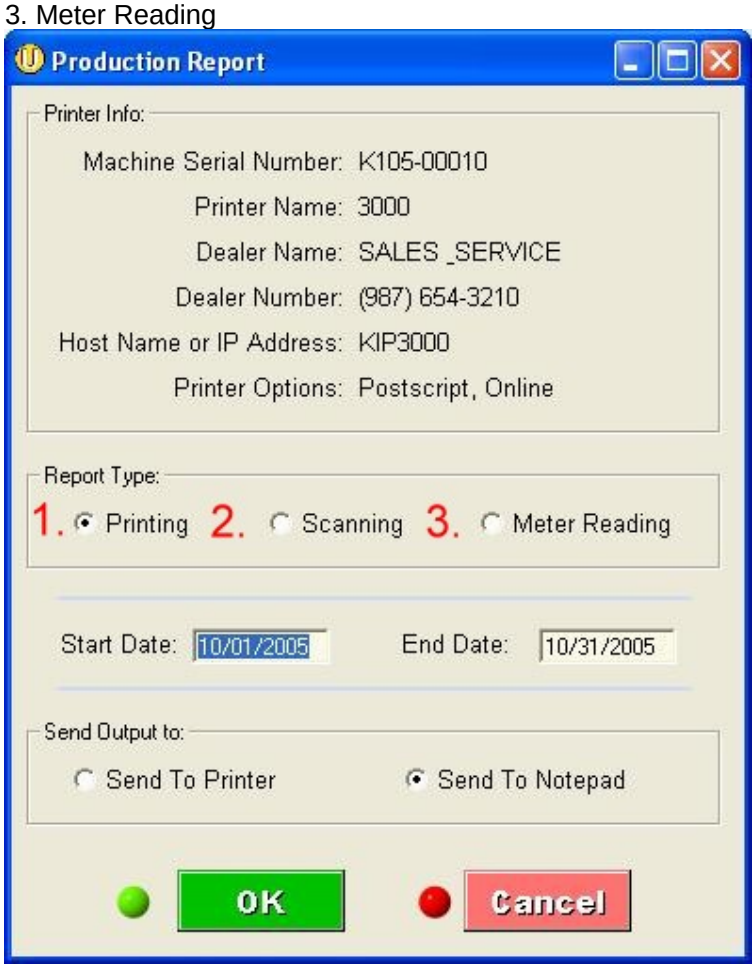
Accounting fields entered into the Request software installed on the Web server host pc being utilized by KIP PrintNet will also be transferred to users accessing PrintNet via the intranet or internet.

Productivity reports can be generated from Request 6.0 and can be very helpful in keeping track of accounting data. These can be generated on a daily, weekly, monthly or custom time frame.

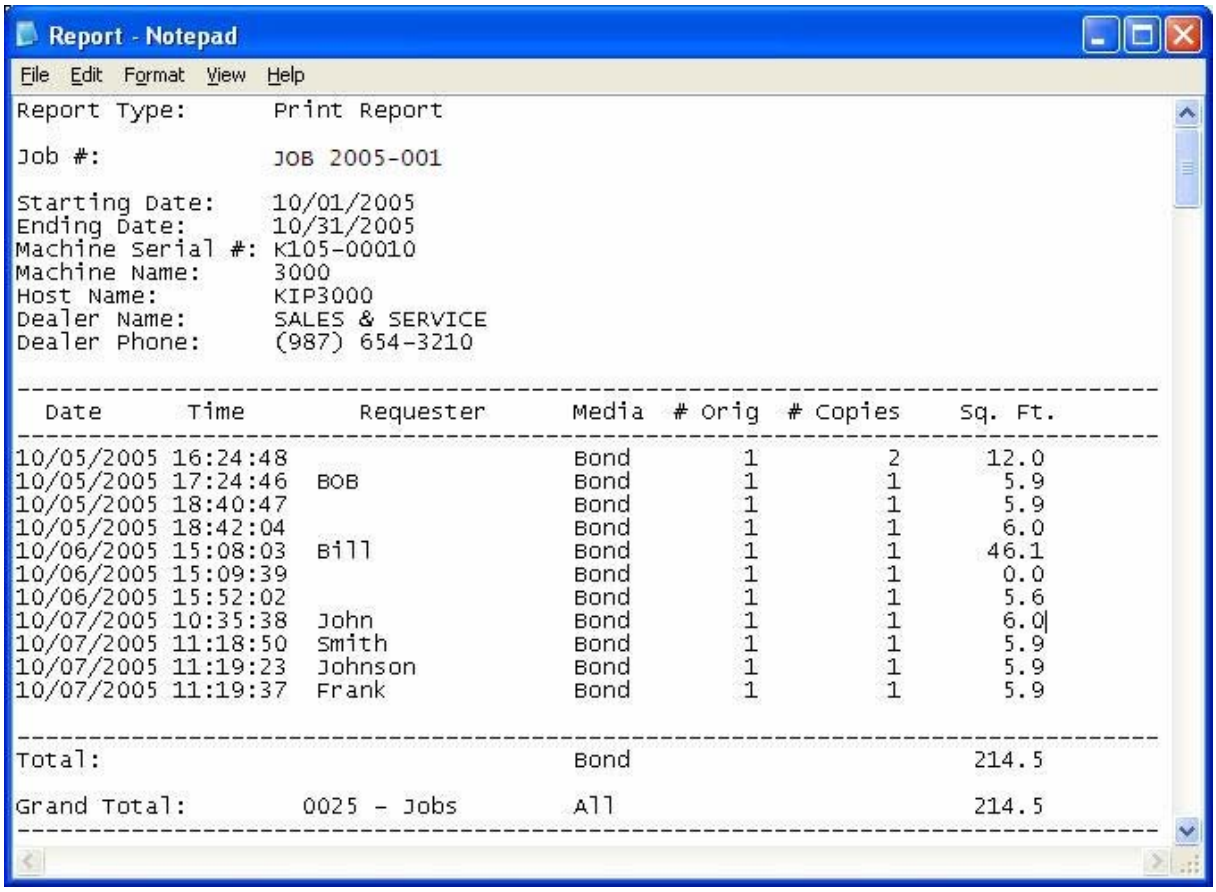
The Productivity reports can be accessed by doing the following:
1. On the Request main screen select “Manage” from the menu bar and then select “Print Reports”



2. The Following window will appear. This is where the currently selected printer information will be displayed. There are three different types of reports that can be generated from this screen:
1. Printing
2. Scanning
3. Meter Reading



1. Printing
This report will include both prints and copies that have been sent to the 3000 print engine. The report will include Date, Time, Requester, Media, # of originals, # of Copies and Sq. Feet. The information for Requester and Job Number shown below are gathered from all KIP printing applications. The user can select the Start Date and the End Date of the report along with where to print the report. The report can be sent directly to the default printer attached to the PC generating the report or to the Notepad to be saved to a file.



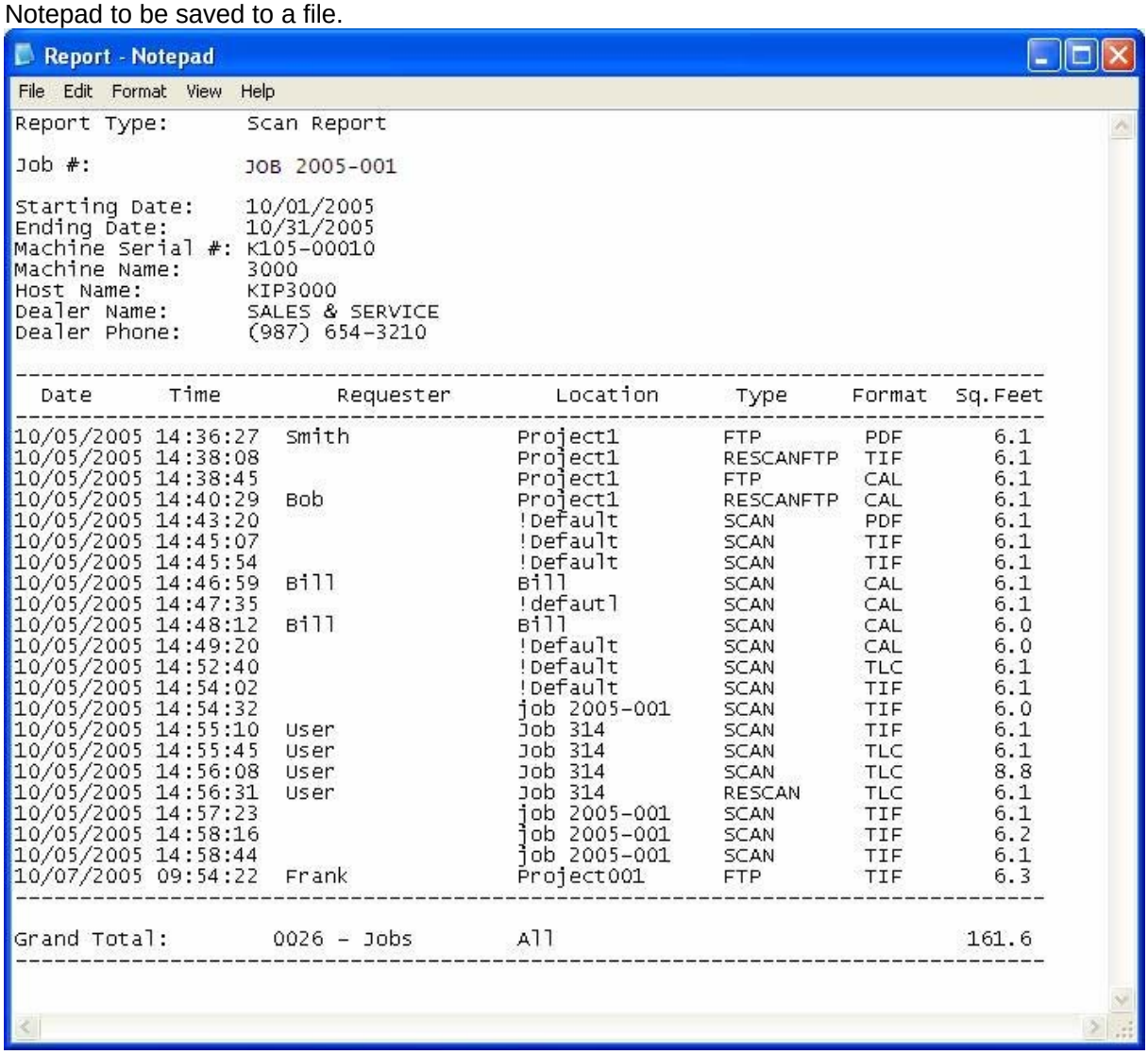
Report - Notepad

File Edit Format View Help

```
Report Type:       Print Report

Job #:             JOB 2005-001

Starting Date:     10/01/2005
Ending Date:       10/31/2005
Machine Serial #:  K105-00010
Machine Name:      3000
Host Name:         KIP3000
Dealer Name:       SALES & SERVICE
Dealer Phone:      (987) 654-3210

-------------------------------------------------------------------------------
  Date       Time         Requester       Media  # Orig  # Copies    Sq. Ft.
-------------------------------------------------------------------------------
10/05/2005 16:24:48                      Bond        1         2       12.0
10/05/2005 17:24:46  BOB                 Bond        1         1        5.9
10/05/2005 18:40:47                      Bond        1         1        5.9
10/05/2005 18:42:04                      Bond        1         1        6.0
10/06/2005 15:08:03  Bill                Bond        1         1       46.1
10/06/2005 15:09:39                      Bond        1         1        0.0
10/06/2005 15:52:02                      Bond        1         1        5.6
10/07/2005 10:35:38  John                Bond        1         1        6.0
10/07/2005 11:18:50  Smith               Bond        1         1        5.9
10/07/2005 11:19:23  Johnson             Bond        1         1        5.9
10/07/2005 11:19:37  Frank               Bond        1         1        5.9

-------------------------------------------------------------------------------
Total:                                   Bond                           214.5

Grand Total:         0025 - Jobs         All                            214.5
-------------------------------------------------------------------------------
```

2. Scanning

This report will include all files that have been scanned to file using the Scan Mode of the 3000 UI. The report will include Date, Time, Requester, Location, Type, Format and Sq. Feet. The information for Requester shown below is gathered from all KIP printing applications. The user can select the Start Date and the End Date of the report along with what to do with this data. The report can be sent directly to the default printer attached to the PC generating the report or to the Notepad to be saved to a file.



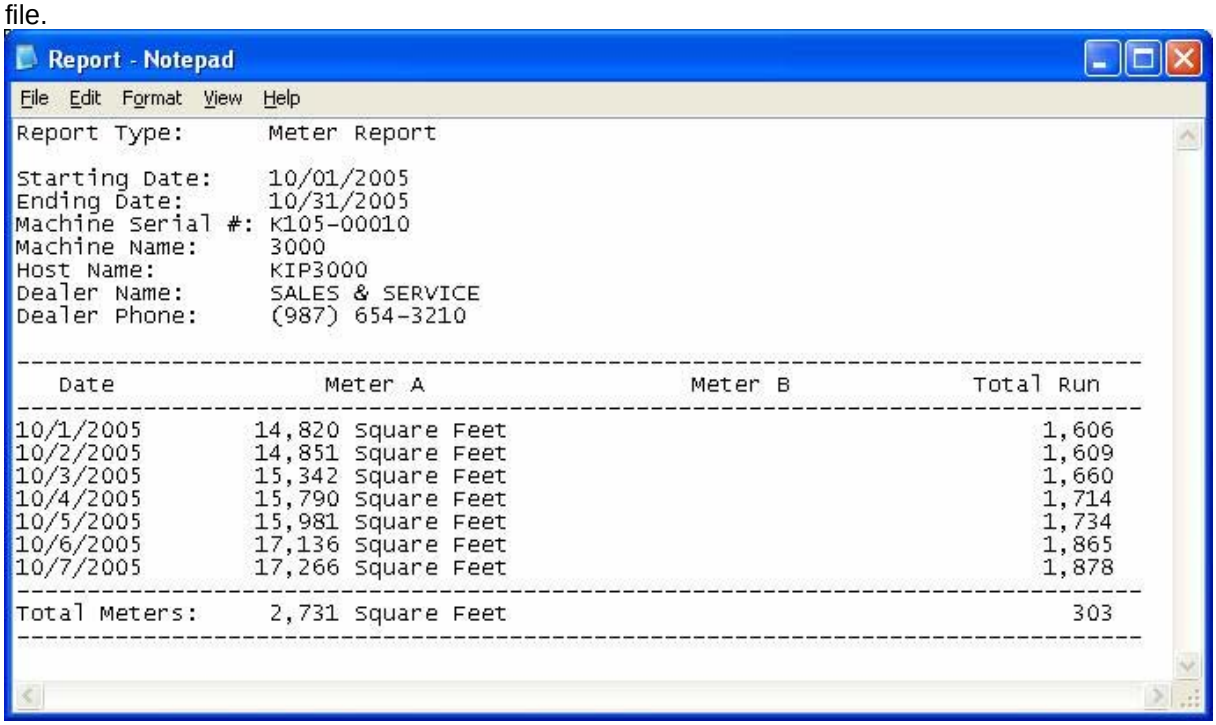
Report - Notepad

File Edit Format View Help

```
Report Type:       Scan Report

Job #:             JOB 2005-001

Starting Date:     10/01/2005
Ending Date:       10/31/2005
Machine Serial #: K105-00010
Machine Name:      3000
Host Name:         KIP3000
Dealer Name:       SALES & SERVICE
Dealer Phone:      (987) 654-3210

-------------------------------------------------------------------------------
  Date       Time          Requester         Location       Type      Format  Sq.Feet
-------------------------------------------------------------------------------
10/05/2005 14:36:27  Smith              Project1         FTP         PDF        6.1
10/05/2005 14:38:08                     Project1         RESCANFTP   TIF        6.1
10/05/2005 14:38:45                     Project1         FTP         CAL        6.1
10/05/2005 14:40:29  Bob                Project1         RESCANFTP   CAL        6.1
10/05/2005 14:43:20                     !Default         SCAN        PDF        6.1
10/05/2005 14:45:07                     !Default         SCAN        TIF        6.1
10/05/2005 14:45:54                     !Default         SCAN        TIF        6.1
10/05/2005 14:46:59  Bill               Bill             SCAN        CAL        6.1
10/05/2005 14:47:35                     !defautl         SCAN        CAL        6.1
10/05/2005 14:48:12  Bill               Bill             SCAN        CAL        6.0
10/05/2005 14:49:20                     !Default         SCAN        CAL        6.0
10/05/2005 14:52:40                     !Default         SCAN        TLC        6.1
10/05/2005 14:54:02                     !Default         SCAN        TIF        6.1
10/05/2005 14:54:32                     job 2005-001     SCAN        TIF        6.0
10/05/2005 14:55:10  User               Job 314          SCAN        TIF        6.1
10/05/2005 14:55:45  User               Job 314          SCAN        TLC        6.1
10/05/2005 14:56:08  User               Job 314          SCAN        TLC        8.8
10/05/2005 14:56:31  User               Job 314          RESCAN      TLC        6.1
10/05/2005 14:57:23                     job 2005-001     SCAN        TIF        6.1
10/05/2005 14:58:16                     job 2005-001     SCAN        TIF        6.2
10/05/2005 14:58:44                     job 2005-001     SCAN        TIF        6.1
10/07/2005 09:54:22  Frank              Project001       FTP         TIF        6.3
-------------------------------------------------------------------------------

Grand Total:         0026 - Jobs        All                                  161.6
-------------------------------------------------------------------------------
```

3. Meter Reading

This report will include daily Meter readings from the desired dates set in the Start Date and End Date. The report will include Date, Meter A, Meter B and Total run. This meter reading should closely match the actual meter reading on the KIP 3000 printer. The user can select the Start Date and the End Date of the report along with what to do with this data. The report can be sent directly to the default printer attached to the PC generating the report or to the Notepad to be saved to a file.


Report - Notepad
File Edit Format View Help
Report Type: Meter Report
Starting Date: 10/01/2005
Ending Date: 10/31/2005
Machine Serial #: K105-00010
Machine Name: 3000
Host Name: KIP3000
Dealer Name: SALES & SERVICE
Dealer Phone: (987) 654-3210
Date Meter A Meter B Total Run
10/1/2005 14,820 Square Feet 1,606
10/2/2005 14,851 Square Feet 1,609
10/3/2005 15,342 Square Feet 1,660
10/4/2005 15,790 Square Feet 1,714
10/5/2005 15,981 Square Feet 1,734
10/6/2005 17,136 Square Feet 1,865
10/7/2005 17,266 Square Feet 1,878
Total Meters: 2,731 Square Feet 303

6.4 Printing DWF files

DWF (Design Web Format™) files offer a simple, secure way to share design data from AutoDesk. Developed specifically for engineering design data, the DWF format is the best way to share 2D and 3D design information, because the file size is smaller and faster to transmit than either native design file formats or other alternatives. DWF files are print ready and maintain absolute data fidelity.

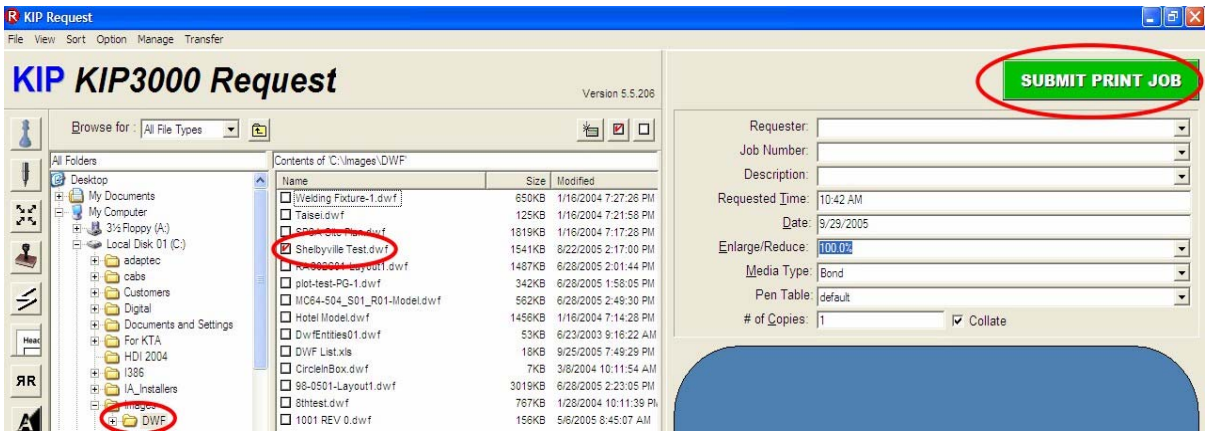
How are DWF's created?

- If you're using AutoCAD, Autodesk Inventor, or other Autodesk applications, you can create DWF files directly from the built-in "Publish" command within the application.

- DWF files can also be created from any application using the Autodesk DWF Writer that ships with Autodesk DWF Composer. Autodesk DWF Writer software enables you to publish to DWF format from CAD applications that do not offer built-in DWF publishing, such as Bentley Microstation or Dassault's Solidworks software. Autodesk DWF Writer is a certified Microsoft Windows system printer driver that enables you to quickly and easily convert files to DWF format.
- If you're NOT using AutoCAD, Autodesk Inventor, or other Autodesk applications, the Autodesk DWG Viewer component that ships with DWF Composer allows for the full publishing capabilities that are in AutoCAD 2006. This includes the ability to batch convert DWG files to DWF. Users simply need to add DWG files within the Publish menu before Publishing the sheet set to a single DWF file

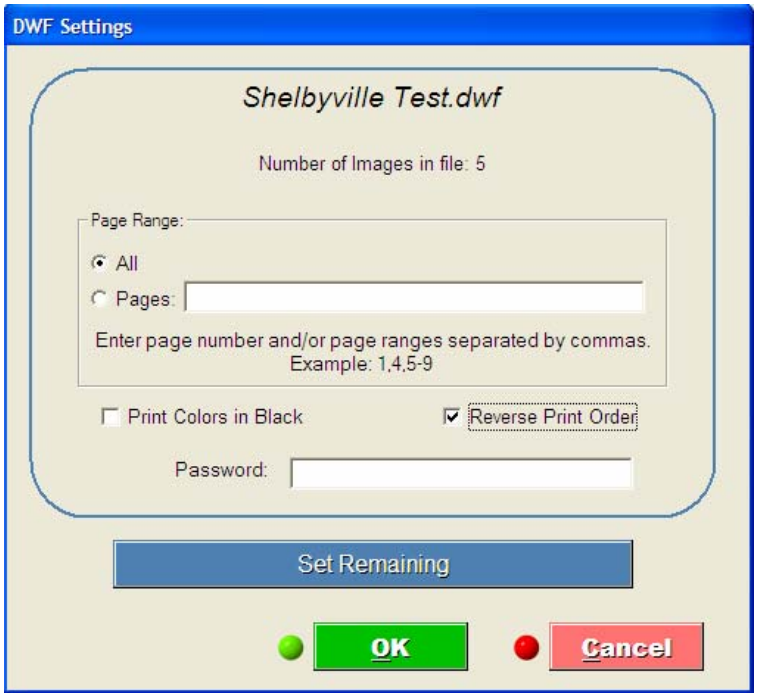
NOTE: Some DWF files created prior to 2004 may not be compatible.

KIP Request handles printing .DWF files directly to the printer. This is done by selecting a .dwf file from a desired location and clicking on "Submit Print Job".



After clicking on “Submit Print Job”, a DWF settings window will appear.
This will allow the user

a) to print all pages in a multi-page .dwf file or only the desired pages.
b) select to Print Colors in Black to change all of the lines/areas to print solid black and not gray.
c) choose “Reverse Print Order”
d) enter a password if the DWF files was created with password protection.



Section 9

KIP PrintNet

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1.0 Preview / Main Screen

KIP PrintNet is a basic web-enabled version of KIP Request for use in company intranets or the global internet. This allows job submissions to the KIP printer without installation of the KIP Request application on the PC. Users require a PC with high-speed Internet or intranet connection and a web browser. The KIP PrintNet submission tool can be used with a number of web browsers:

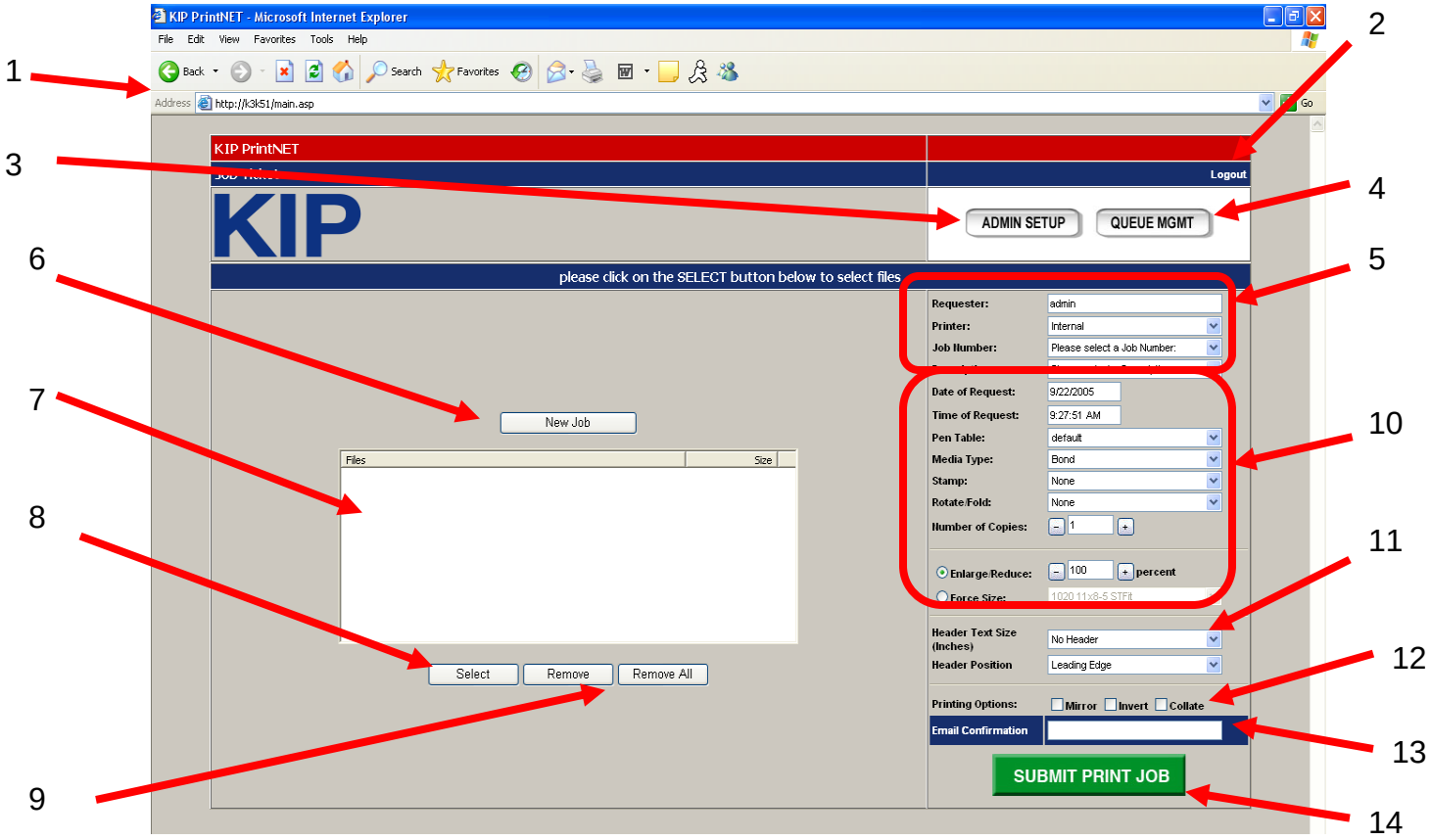
Windows Internet Explorer, Netscape Navigator, MAC Safari, Mozilla Firefox, Opera

This section of the user guide provides information about using the submission tool including its features and functionality. It demonstrates the use of Windows Internet Explorer, although other web browsers may have similar functions.

For installation, technical details and administrative procedures, please refer to the chapters of *Installation, Setup and Configurations* near the end of this section. Please note that a host PC is required for the use of KIP PrintNet. The Appendix displays a few screen shots of web browsers and components required for correct and complete operation of KIP PrintNet. Certain web browsers (primarily Internet Explorer) require the use of ActiveX controls.

Please note that KIP PrintNet does not have all the advanced features as the KIP Request application and KIP request must be installed in the Host PC prior to installing KIP PrintNet.

1.1 Main Screen



No.	Name	Function
1	Host Address	Type in the URL of the Server / PC that hosts KIP PrintNet (password protected)
2	Logout	Logout from the KIP PrintNet session
3	Admin Setup	Administrative feature setup if logged on as such
4	Queue Management	Manages the job queue on the printer.
5	Accounting Region	Selection for Name of Operator, Printer type, Project number, Time and Date of requested Job,
6	New Job	Clear all previous setting to start a new print submission.
7	File Selected Area	Displays file names and the file size of selected files
8	Select	Browse to select the file(s) for printing from the PC / LAN
9	Remove / Remove All	Deleting one or all files from the job list.
10	Job Settings	Pen table selection, Media type selection, Stamp selection, Rotate / Fold selection, number of copies selection and print / image size.
11	Header / Header Position	Inserting a Header and position of the Header on the print
12	Printing Options	Provides Mirror, Invert and Collation capability
13	Email Communication	Add an email address to send auto response for job acceptance
14	Job Submission	Send a job / files

2.0 Operation Details

2.1 Login Screen

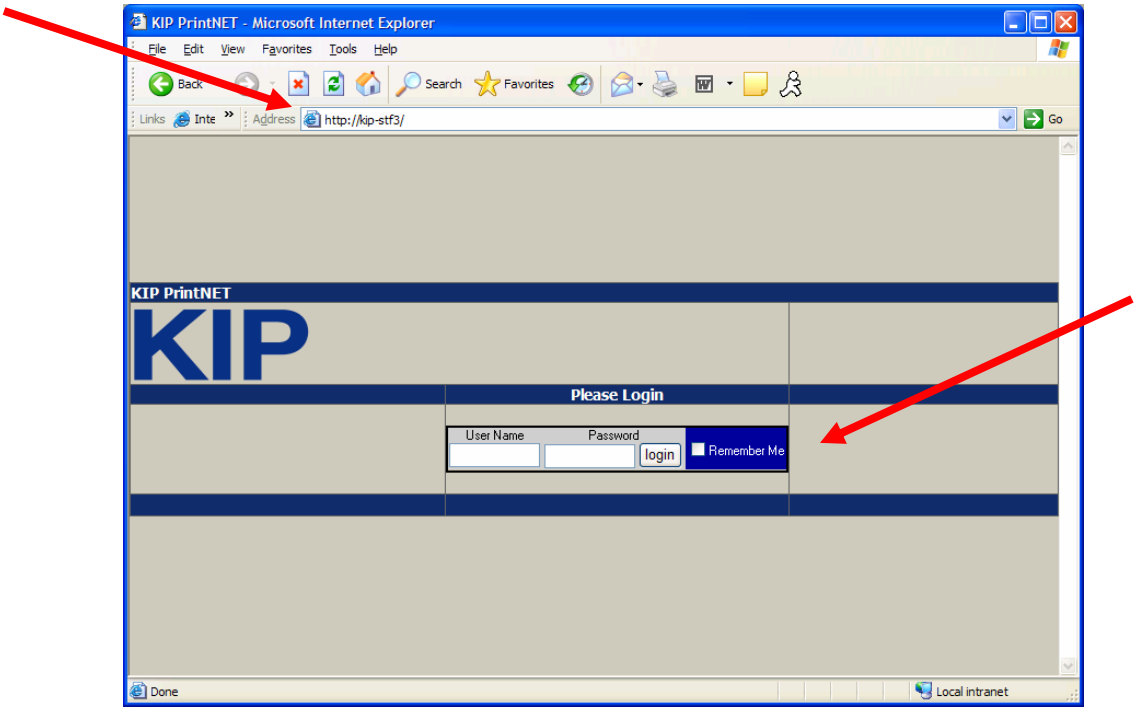
To access the PrintNet host, in the address line of your web browser type in the URL of the Server / PC that hosts the KIP Job submittal tool application. It is important to use the syntax in the following format:

http://Host_Name.

In our example, we use our host name as KIP-STF3, hence the address line would read: http://KIP-STF3 .

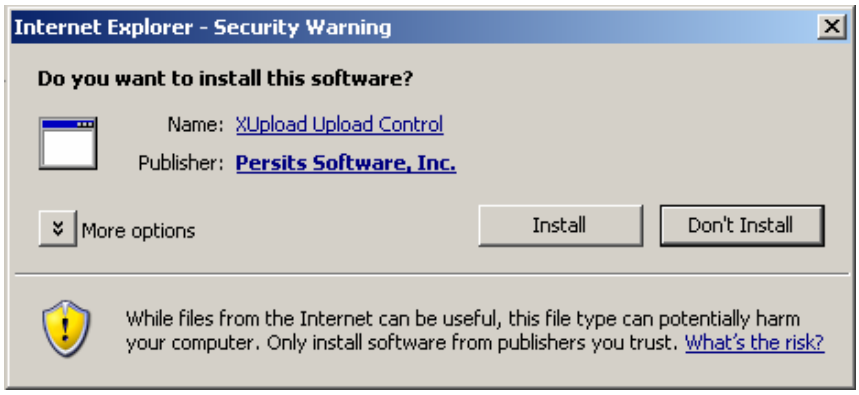
Please contact your network administrator for your URL to the KIP printer as installation will differ.

This link will take the user to the login web page.



Users are required to enter a login name and password as assigned by an Administrator. The 'User Name' can be a combination of numbers and letters up to 30 characters long. Upon login, the user will be able to see the KIP PrintNET web page.

If prompted to install Persits XUpload, click *Install (first time use only. If you are unable to install this "plug in" please contact your network administrator for access*)


Internet Explorer - Security Warning
Do you want to install this software?
Name: XUpload Upload Control
Publisher: Persits Software, Inc.
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?

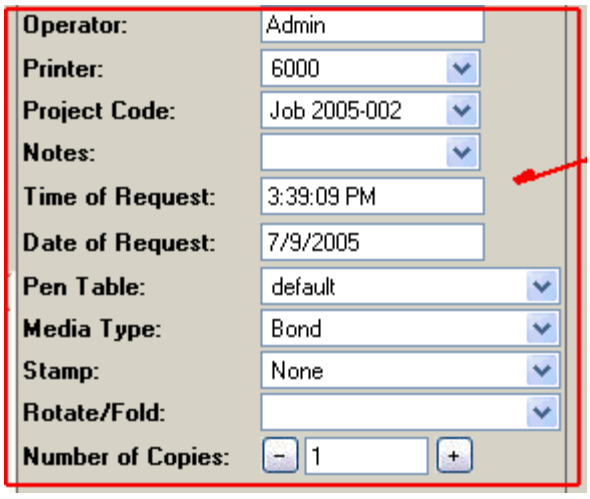
2.2 Logout

Once the user has completed a job submission, they may 'Logout' of the KIP PrintNet web page.

2.3 Admin Setup

Please see the section *Installation and Setup* near the end of this section for details regarding Administrative functions and features.

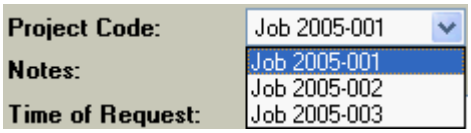
2.4 Requester Region



1) Operator - Displays the login name of the person who logged in using their user name and password.

2) Printer – User can make their choice of printer that is available on the network to send print jobs to. The printer setup is explained in the *Installation and Setup* section.

3) Project Code- User has the choice of using Administratively defined job numbers from this list as in KIP Request software.



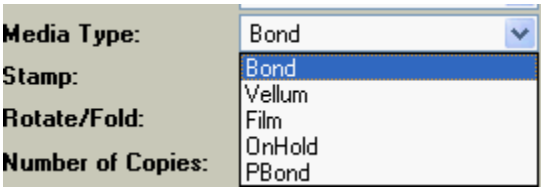
4) Notes- This field allows user to enter a description for specific print jobs as in KIP Request software

5) Time of Request – This field is populated with the system time at the time of submission. This field can be used to schedule a job to be printed at a certain time, as in KIP Request software.

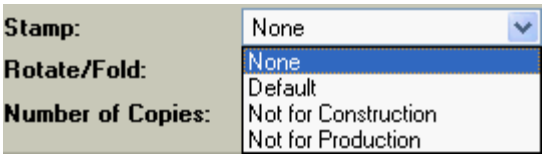
6) Date of Request - This field is populated with the system date at the time of submission. This field can be used to schedule a job to be printed on a certain date, as in KIP Request software.

7) Pen Table – User has the choice of specifying a pen table associated with a selected vector files.

8) Media Type – User has the choice of Bond, Vellum and Film media. Additional media types can be added to this field. Additions are made in the 'Winreq.ini' file. For more information, please see *Installation and Setup* section.



9) Stamp – Users can choose an available stamp scheme to be applied to printed documents. Stamps that can be used here are created using the 'KIP Request' software.



10) Rotate / Fold - Users can choose to use one of the available Rotate /Fold schemes. Schemes for 'Fold/Rotate' that are used here are created using the 'KIP Request' software.

11)Number of Copies – Based on user choice the number of copies to print.

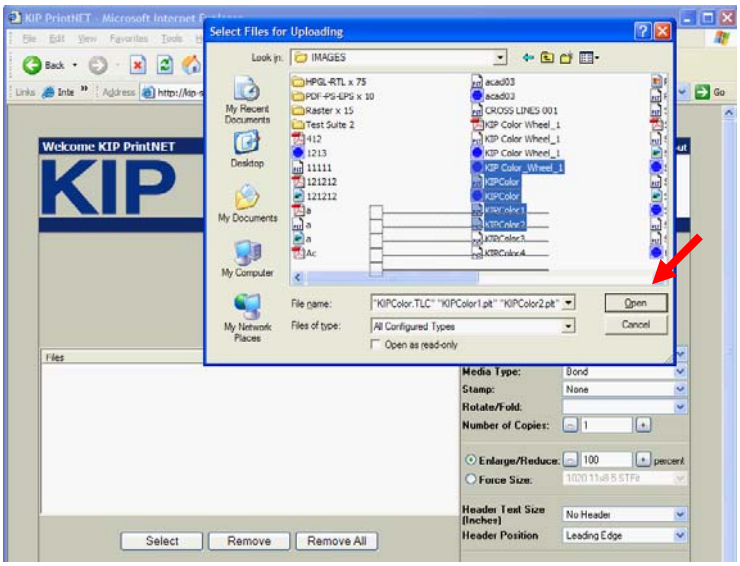
2.5 File Selection Area

In this section, users can add or review the files they have selected for printing.

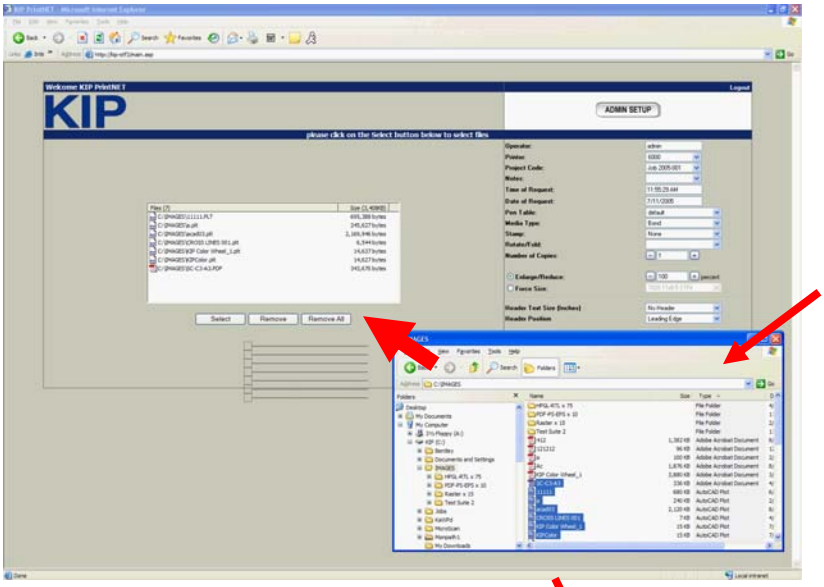
2.6 File Selection

There are two methods to add new files for printing.

1) Use "Select" to add a file to be printed. This will launch a new window to allow the section of the required files. Select the files using Windows commands (Crtl+Click, or Shift+Click or a simple click) then select "Open" after highlighting the file(s)



2) Drag and drop feature is available in this portion of the interface. Use Windows Explorer (or other browser as a separate window) to highlight, then drag and drop into the KIP PrintNet File select region.



2.7 Remove

Select the file and use “Remove” to deselect a file that is not required to be printed

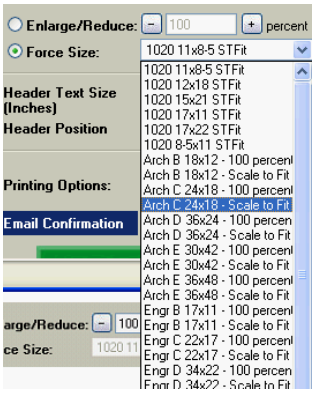
2.8 Remove All

Deselects any / all files the are not required to be printed

2.9 Enlargement / Reduction & Force Size

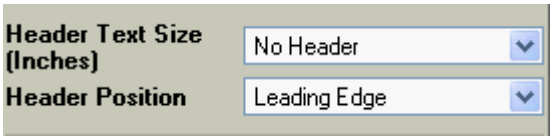
The entire set of documents selected can be reduced or enlarged from 25% up to 400%.

If the user would prefer to print files to a specific size media, ‘Force size’ feature is available. Entries in Force Size are determined by KIP Request software.


Enlarge/Reduce:
100
percent
Force Size:
1020 11x8-5 STFit
Header Text Size (Inches)
Header Position
Printing Options:
Email Confirmation
1020 11x8-5 STFit
1020 12x18 STFit
1020 15x21 STFit
1020 17x11 STFit
1020 17x22 STFit
1020 8-5x11 STFit
Arch B 18x12 - 100 percent
Arch B 18x12 - Scale to Fit
Arch C 24x18 - 100 percent
Arch C 24x18 - Scale to Fit
Arch D 36x24 - 100 percent
Arch D 36x24 - Scale to Fit
Arch E 30x42 - 100 percent
Arch E 30x42 - Scale to Fit
Arch E 36x48 - 100 percent
Arch E 36x48 - Scale to Fit
Engr B 17x11 - 100 percent
Engr B 17x11 - Scale to Fit
Engr C 22x17 - 100 percent
Engr C 22x17 - Scale to Fit
Engr D 34x22 - 100 percent

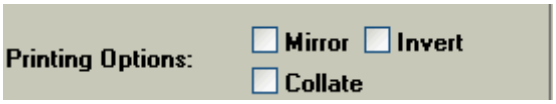
2.10 Header size and Position

Header (0.1 mm to 1.5mm) can be deployed on the leading edge or trailing edge of printed output.



2.11 Mirror / Invert / Collate

1) Users can choose to mirror or invert and set collation can also be enabled.

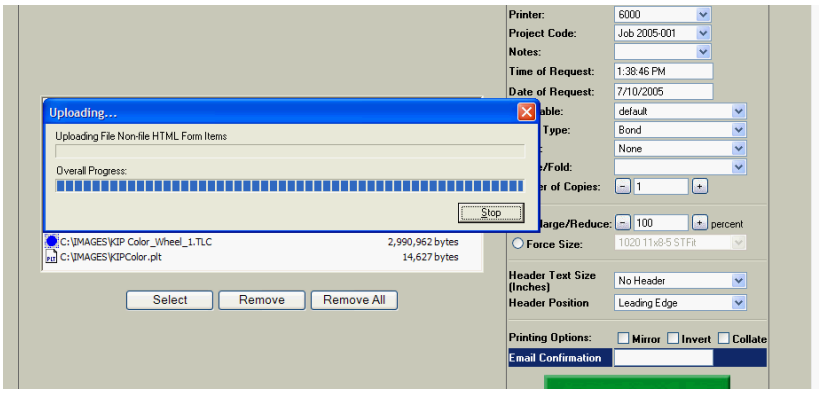


2.12 Email Confirmation

Users have the choice of entering an e-mail address in which to send confirmation of print job submission. The *Installation and Setup* section of this document describes this feature and the function in greater detail.

2.13 Submit Print Job

Sends the selected print files and job information to the host PC for printing.

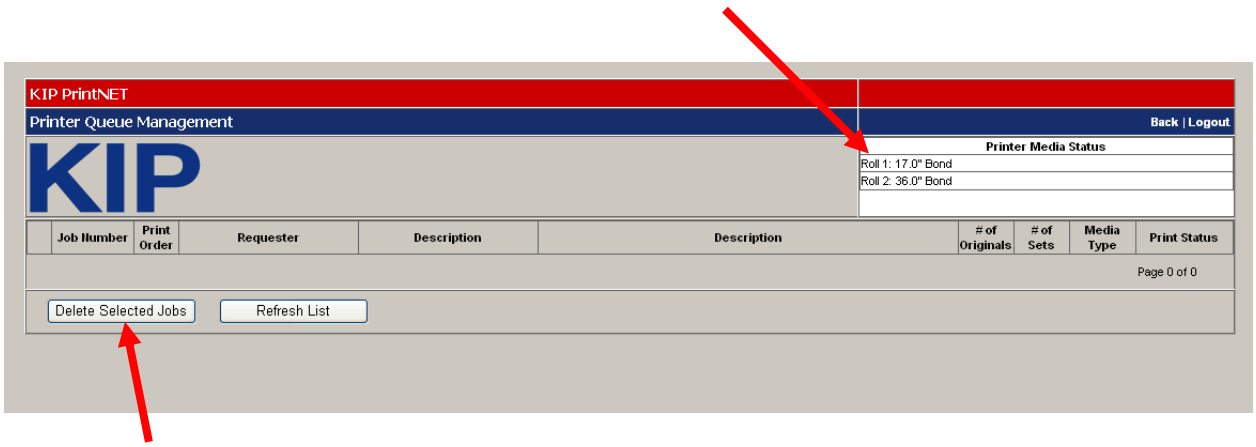


2.14 Manage Queue

To use this feature the IP or URL of the KIP 3000 must be known. That is a HOST PC configuration can not access the print queue, only direct connection to the KIP 3000.

Select this button to manage and view the job queue in the KIP 3000 Printer.

Printer status or installed roll information



Delete Job – Select the job(s) then use this button to remove

3.0 Installation

The KIP 3000 has the services required for direct connection so no additional hardware may be required. If more than four concurrent uses will submit jobs to the KIP 3000 a HOST PC must be used!

3.1 Requirements: Host PC Operating System

1. Microsoft Windows 2000/2003 Server or Microsoft Small Business Server
2. IIS 5.1 or later.
3. KIP Request 6.0 or later must be installed on the host PC.
4. KIP Request 6.0 must have a username “admin” and a password “kip” for initial KIP PrintNet configuration.

3.2 Requirements: Host PC NTFS Permission

1. Internet Guest Account (IUSR_XXXX)* requires read/write/modify NTFS permissions to the following files for KIP Request and KIP PrintNet applications:

   \include\emailsettings.asp
   \Request\winreq.ini

2. Internet Guest Account (IUSR_XXXX)* requires read/write/modify NTFS permissions to the following directories for KIP Request and KIP PrintNet applications:

   \Request\
   \Request\Settings
   \Uploads**

3.3 Requirements: Host PC Network Protocol

1. TCP Port 80 inbound for web page content delivery and document upload functionality.
2. TCP Port 8421 outbound for delivery of print jobs to KIP Printer
3. TCP Port 25 (optional) outbound for e-mail delivery confirmation

** IUSR_XXXX where XXXX represents the Computer Name hosting the KIP PrintNet application*

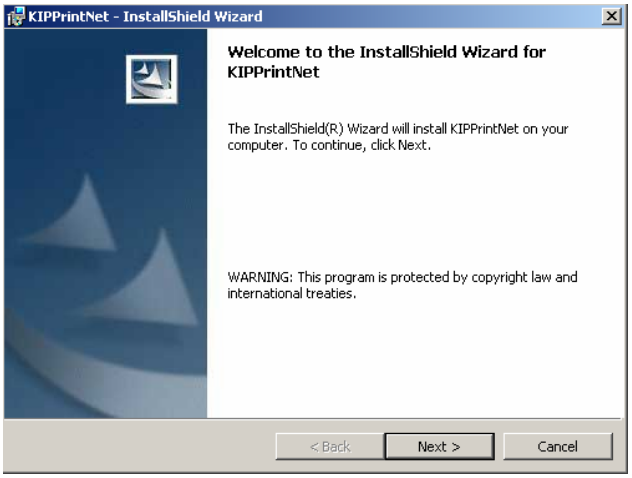
******* Uploads location is defined by a System Environment variable ‘KIPN’ followed by Uploads subdirectory. By default, KIPN is set to the installation path of KIP PrintNet*

3.4 Host PC Installation

1. Ensure installer has local Administrative privileges

2. Install KIP Request on the Host PC. (please see the KIP Request section see install KIP Software CD)

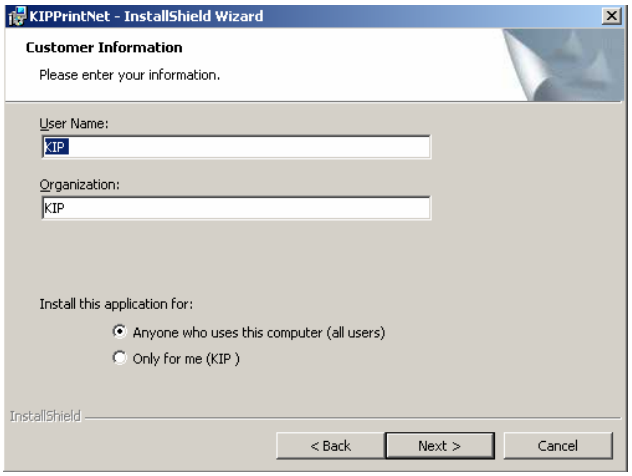
3. Execute the KIP PrintNet installation by double-clicking on the **KPNSetup_v1.0.exe** (see KIP Software CD)


KIPPrintNet - InstallShield Wizard
Welcome to the InstallShield Wizard for KIPPrintNet
The InstallShield(R) Wizard will install KIPPrintNet on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

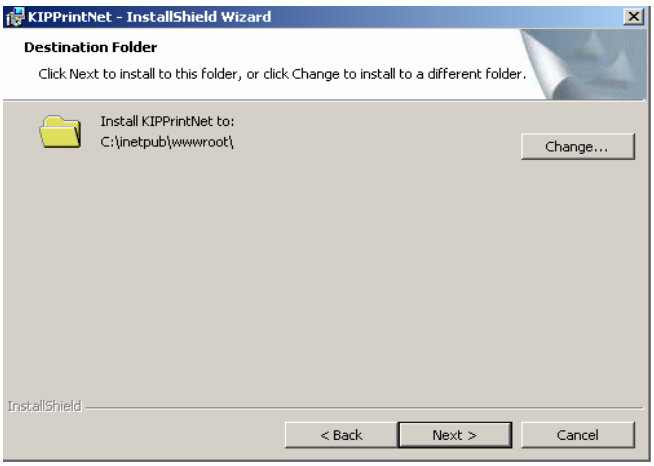
4. Read and accept the KIP End User License Agreement.

KIPPrintNet - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
KIP America
translating technology into productivity
SOFTWARE LICENSE AGREEMENT / MINIMUM TERMS OF END USER LICENSE AGREEMENT ("EULA")
This document states the terms and conditions upon which KIP America Incorporated ("KIP America") offers to license
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
InstallShield
< Back
Next >
Cancel

5. Enter User Information and Company Information:



6. Select Installation directory. (Default is C:\Program Files\KIP\PrintNet)



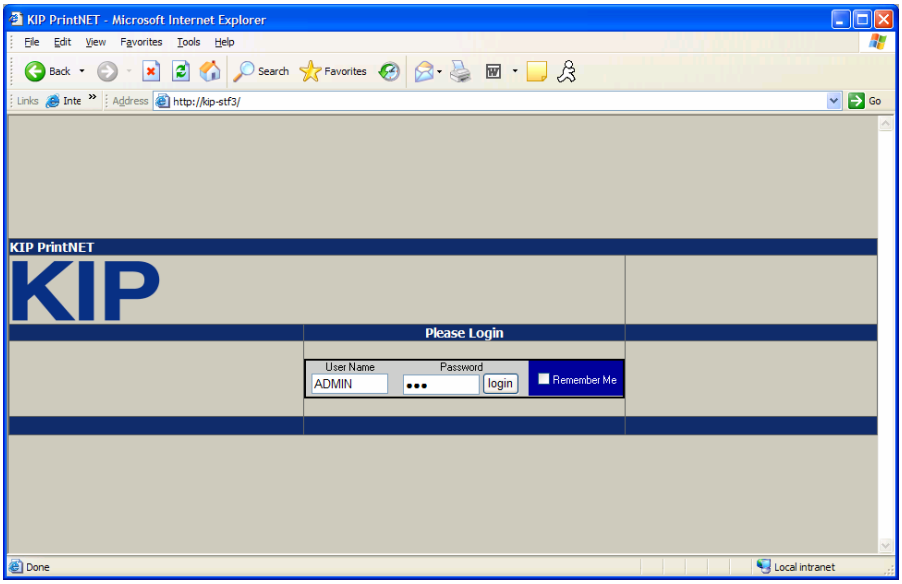
7. Click Next to complete installation:

   KIP PrintNet creates a virtual directory with the alias ‘PrintNet’ on the instance of IIS provided by the Host PC.

4.0 Host PC Configuration

Verify local host access to KIP PrintNet by opening your web browser and entering http://localhost/PrintNet

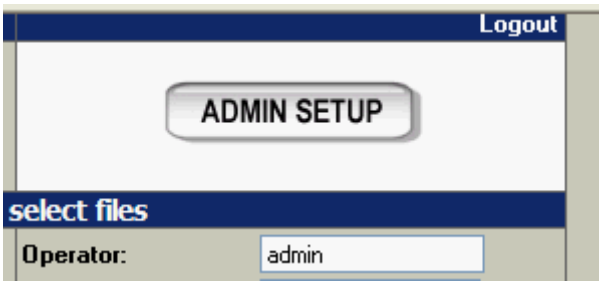
The main login screen to the KIP PrintNet software.



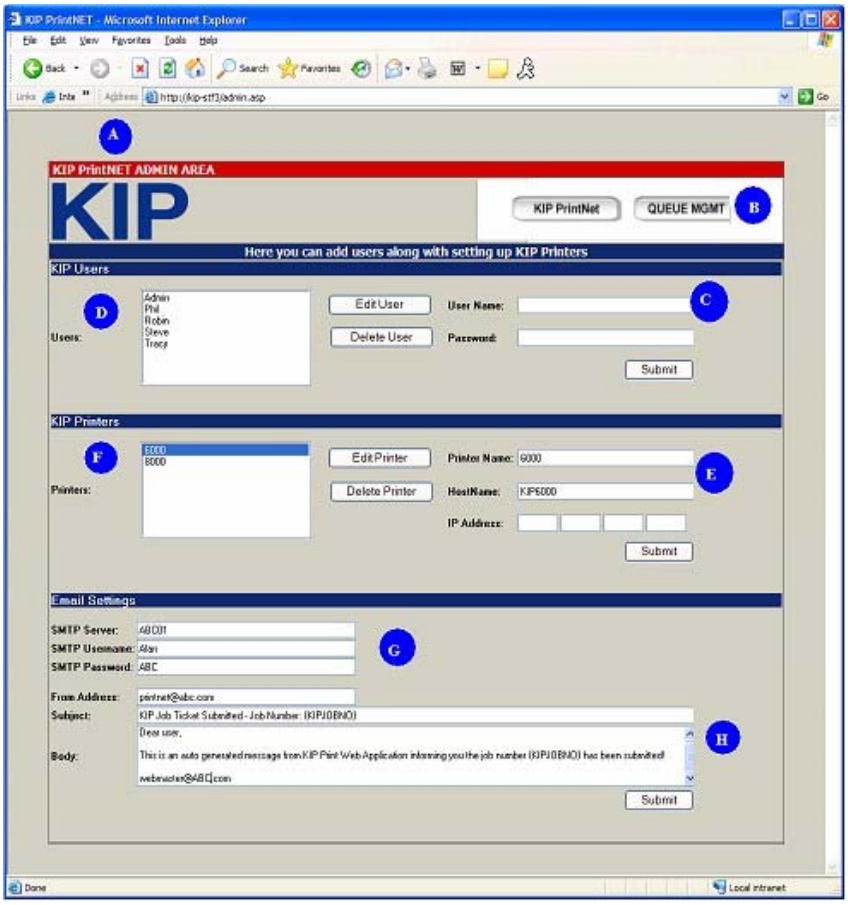
Both the user name and password for Administrative access to KIP PrintNet must be defined within KIP Request software using Prompt Setup operations for the Requester field. Requester prompt must be configured as "Required" from the pulldown list.

The default user name for accessing the Administrative account is: admin
The default password for accessing the Administrative account is: kip

Upon administrative authentication, select *Admin Setup.*



Administrative Screen



(A) Displays “KIP PrintNet Admin Area

(B) Button used to toggle between KIP PrintNet and KIP PrintNet Admin Area along with Queue Management

(C) This section is used to add user names and credentials to KIP PrintNet. Each user must have a unique ID and password to login into KIP PrintNet. ***Users and Passwords defined here are simultaneously added/removed from KIP Request and vice-versa***

(D) This section displays a list of current users authorized to access KIP PrintNet.

Click on a username and select *Edit* to edit the user name and/or password.

Select Delete to remove the user from KIP PrintNet.
Users and Passwords defined here are simultaneously added/removed from KIP Request and vice-versa

(E) Available KIP Printers are defined here by specifying a Printer name and a corresponding resolved hostname **OR** IP address
KIP Printers defined here are simultaneously added/removed from KIP Request and vice-versa

(F) This section displays a list of currently assigned KIP Printers
Click on a Printer Name and select *Edit* to edit the Printer name, resolved hostname or IP address. Select *Delete* to remove the KIP Printer from KIP PrintNet.
KIP Printers defined here are simultaneously added/removed from KIP Request and vice-versa

(G) **Email Settings**:
SMTP Server: Specify an available SMTP server hostname or IP address to connect to in order to send confirmation e-mail messages

SMTP Username: Specify a valid SMTP user name to send confirmation e-mail messages.

SMTP Password: Specify a valid SMTP password associated with SMTP user
name in order to send confirmation e-mail messages.

Email address: Specify an acceptable e-mail address used to determine the sender of confirmation e-mail.

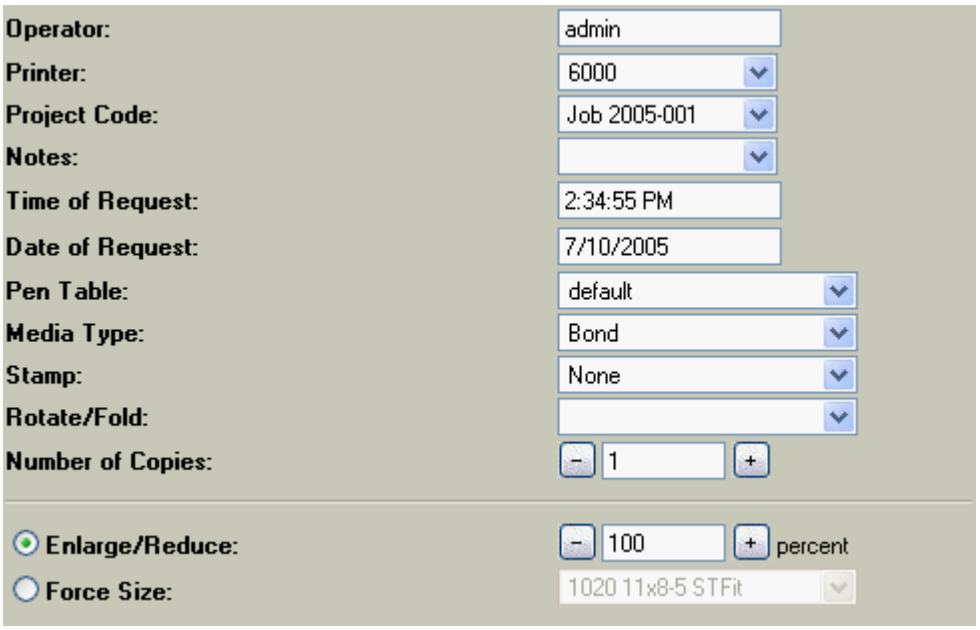
Subject: Specify the subject of sent confirmation e-mail messages. A default message is provided

Body: Specify the main content of sent confirmation e-mail messages. A default message is provided

5.0 Configuration

This section of the document explains how to setup certain user settings for use inside of KIP PrintNet. This section requires advanced knowledge of KIP Request software and its configuration settings on the host system as defined by Winreq.ini. Changes made in Winreq.ini on the host PC are reflected in KIP PrintNet.

From the main screen, our main focus will be on the following features:



a) Requester, Job Number, and Description

To edit, open Winreq.ini on the Host PC and scroll to the following lines:

Prompt=Job Number:
RequesterPrompt=Requester:
DescriptionPrompt=Description:

Requester Job Number and Description fields can be edited to match user requirements. An example is shown below:

Prompt=Project Code:
RequesterPrompt=Operator:
DescriptionPrompt=Notes:

Please refer to KIP User Guide for KIP Request software for more information

b) Pen table

Available pen table files are created and defined within KIP Request. KIP PrintNet software will use pen tables defined in KIP Request.*

Please refer to KIP User Guide for KIP Request software for more information on pen table setup

c) Media type

Available media types ‘Bond’, ‘Vellum’, ‘Film’ are defined within Winreq.ini
KIP PrintNet software will use the media types tables defined in winreq.ini Winreq.ini can be edited to allow more media types. An example showing an additional defined media ‘TBond’ is shown below. Up to six (6) character long names can be chosen for Media types. To edit, open Winreq.ini on the Host PC and scroll to the following lines

[PaperTypes]
Paper0=Bond
Paper1=Vellum
Paper2=Film
Paper3=TBond

d) Stamp

Available stamps are created and defined within KIP Request. KIP PrintNet software will use stamps defined in KIP Request.*

Please refer KIP Technical User Guide for KIP Request software for more information on pen table setup

e) Rotate / Fold

Available Rotate / Fold parameters are defined within KIP Request. KIP PrintNet software will use Rotate / Fold parameters defined in KIP Request.*

Please refer KIP Technical User Guide for KIP Request software for more information on Rotation and Fold parameters

f) Enlarge / Reduce and Force -Size settings

Standard enlargement and reduction ratios 25%, 50%, 66.7%, 75%, 150%, 200% and 400% are non-modifiable. Additional Force-Size settings are created and defined within KIP Request. KIP PrintNet software will use Force-Size settings defined in KIP Request.*

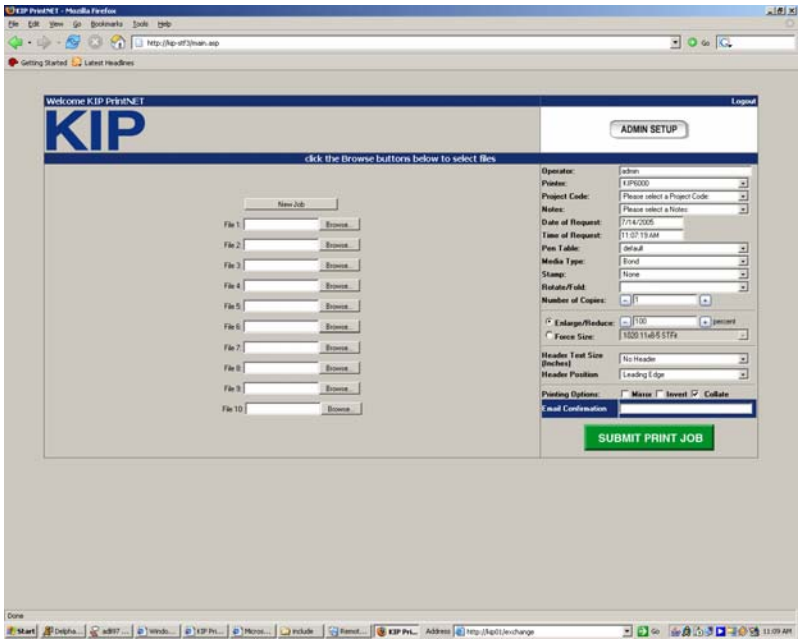
Please refer KIP Technical User Guide for KIP Request software for more information on Force-Size settings

6.0 Appendix

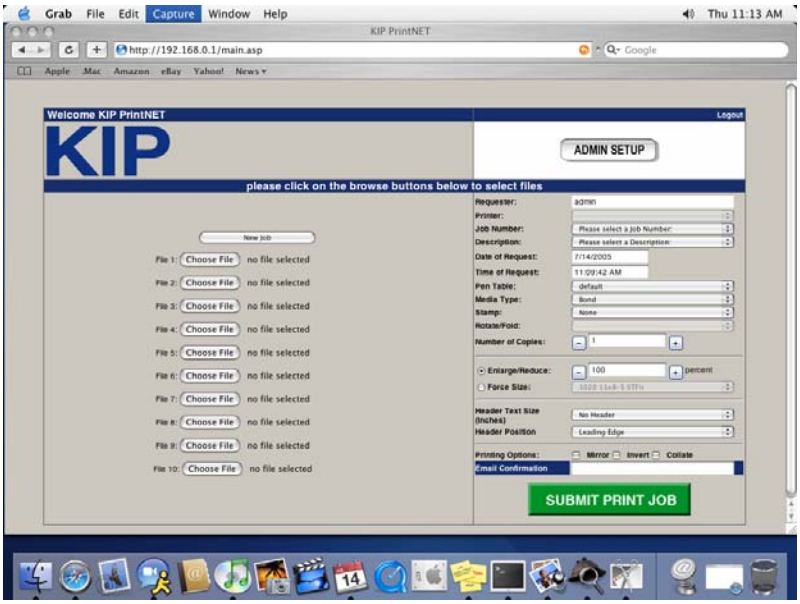
Other Web Browsers

This document is created using the most popular web browser at the time of publishing. Other browsers are available which may change operation of KIP PrintNet. This is based upon the ActiveX abilities of the browser and the OS. Here are only a few other examples of browsers that are available to submit prints using KIP PrintNet.

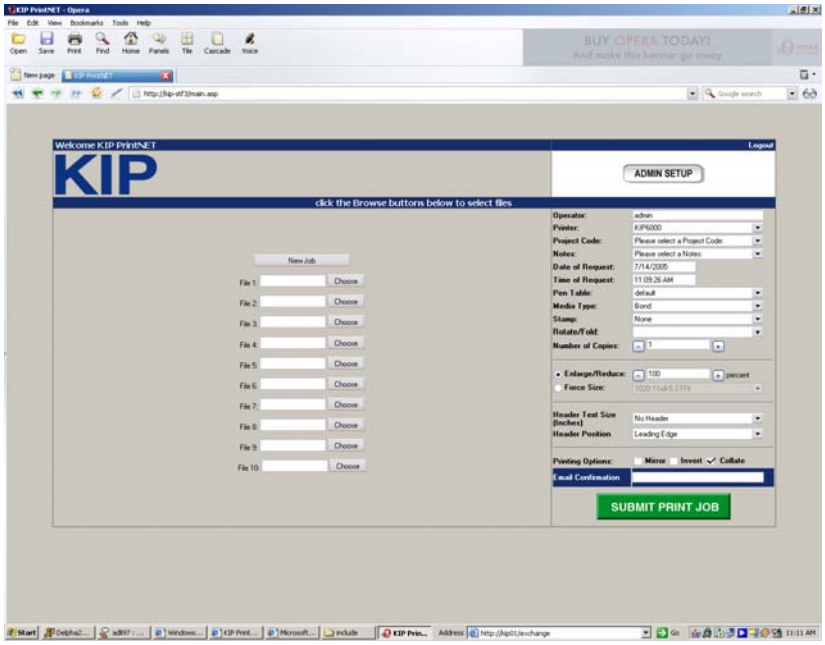
KIP PrintNet on **Mozilla Firefox**



KIP PrintNet on **MAC Safari**



KIP PrintNet on **Opera**



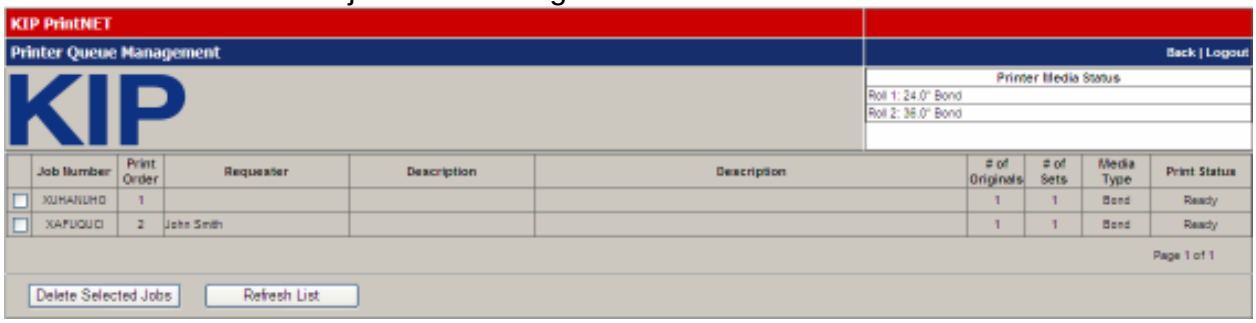
KIP PrintNet installs the following files and folders to a user specified installation directory:

\admin.asp	Administration Page
\aspupload.dll	Provides upload functionality
\checkp.asp	Provides form functionality
\default.asp	Default Login Page
\dragdrop.asp	File Selection Window
\logout.asp	Provides Logout functionality
\main.asp	Main User Interface Page
\mainsubmit.asp	Provides Job Submit functionality
\newjob.asp	Provides New Job action functionality
\simpleupload.asp	Provides Non ActiveX upload functionality
\xupload.asp	Provides ActiveX upload functionality
\xupload.ocx	ActiveX Control
\css\sft.css	Contains font formatting
\images\adminbutton.jpg	User Interface Graphic
\images\back.jpg	User Interface Graphic
\images\button2.png	User Interface Graphic
\images\kiplogo.jpg	User Interface Graphic
\images\kiplogo.gif	User Interface Graphic
\images\minus.gif	User Interface Graphic
\images\plus.gif	User Interface Graphic
\images\return.jpg	User Interface Graphic
\images\submit.jpg	User Interface Graphic
\include\email.asp	Provides e-mail functionality
\include\emailsettings.asp	Contains e-mail settings
\include\formcheck.js	Contains rules for form fields
\include\settings.asp	Contains main application settings
\include\utils.asp	Contains detection of user web browser capability
\include\x.js	Contains additional rules for form fields
\inclide\xmlhttprequest.js	Contains Opera webbrowser upload capability
\libs\kiputils.dll	Provides job submission to KIP printers
\Uploads	Directory for accepting submitted print jobs

Queue Management

Queue management can be done from within KIP PrintNet by selecting the Queue MGMT button in the top right corner of the screen.

Once selected the Queue Management screen will be available. From here the queue can be managed by the person connected to the queue. All jobs in the queue will be listed along with the Printer Media status. Jobs can be selected for deletion by checking the box to the left of the job and clicking on the “Delete Selected Jobs” button.



Note:

In order for Queue management to work you **MUST** connect directly to the IPS on the KIP 3000 (minimum of 4 users). The queue management features are not available to the user if a Web host is being used for connecting to the KIP 3000 (unlimited users).

7.0 Frequently Asked Questions (FAQ)

Q: When I connect to KIP PrintNet, I am prompted to install an ActiveX control. What is this? I do not see the "browse" area that allows me to select my files for printing. Why?

A: KIP PrintNet uses an ActiveX control for those using Internet Explorer web browsers. You must allow the ActiveX control permission to load. If the ActiveX control does not load it may be because some facilities prevent ordinary users from loading ActiveX controls / content without proper computer and/or network permissions. Please see your administrator.

Q: When I submit a large print job, my web browser hangs even though the progress bar says 0:00 seconds left.

A: KIP PrintNet verifies that each file was received by the Hosting PC. Once this verification is completed, control is given back to the web interface

Q: I am getting an error when submitting my print job. I see some error codes.

A: Errors while submitting print jobs are most likely caused by a permissions issue at the PC hosting KIP PrintNet. The Internet Guest User on the hosting PC (IUSR_XXXX) requires read / write / modify permissions applied to the Uploads directory defined in settings.asp. Please see your administrator regarding this type of issue.

Q: Do I have to use Windows 2000 Server or Windows 2003 Server?

A: Not necessarily. Windows 2000 Professional and Windows XP Professional contain a stripped down version of IIS, but is limited by concurrent connection limits, and full IIS features and capabilities.

Q: What is IIS 5.1? How do I get it?

A: IIS stands for Internet Information Services and is provided by Microsoft in Windows 2000 Professional, Windows 2000 Server, various versions of Small Business Server, Windows XP Professional, and Windows 2003 Server. Within Add/Remove Programs, select Add//Remove Windows Components. IIS is an option in this area.

Q: Can KIP PrintNet run on previous version of IIS? What about Windows NT 4 Server?

A: No. The necessary controls for providing / hosting KIP PrintNet require IIS 5.1 or better implementations. Windows NT 4 Server does not contain a version suitable for KIP Print Net

Q: How do I change the location where Uploads are stored on the Hosting PC?

A: KIP PrintNet defines a system environment variable at installation time called KIPN. The "Uploads" folder is a directory inside of the path specified by the KIPN system environment variable. Change the value of KIPN environment variable and create an uploads folder within the new path.

Q: How long are Uploads stored in the Uploads location on the PC hosting KIP PrintNet?

A: KIP PrintNet purges the Uploads directory of any compressed files older than two (2) days from the time received.

Section 10

Productivity Reporting Package

Productivity reports in KIP 6.0 software 2
Creating Productivity Reports 3
1. Printing 4
2. Scanning 5
3. Meter Reading 6

Productivity reports in KIP 6.0 software

The KIP Productivity Reporting Package (PRP) is designed to use information gathered from accounting fields in KIP Request along with various applications that have been linked to KIP Request such as:

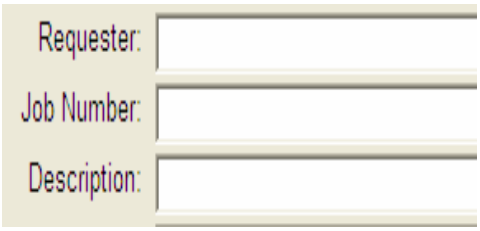
1. KIP Request
2. AutoCAD
3. KIP 3000 Software
4. KIP Printnet
5. KIP CopyMaker (for KIP 2000 series scanners)

By sharing accounting data generated in KIP Request users have the ability to link multiple application using the same accounting rules. This allows managers to generate reports that have valuable accounting information and can be manipulated by the user to get the desired output including the following:

- KIP productivity reporting package generates reports of meter readings and accounting data on a daily, weekly or monthly time cycle.
- Reports include detailed authorization, accounting and meter information.
- PRP reports can be opened into Notepad or exported as an ASCII file format.

There are three main accounting fields in the Request software:

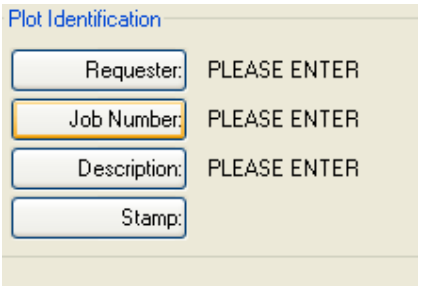
Request



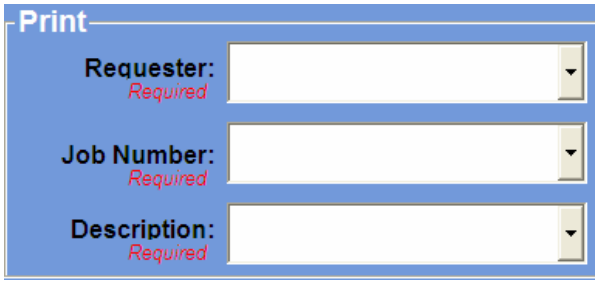
1. **Requester** – This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs.
2. **Job Number** - This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs. This field is tied to **ALL** Reports!
3. **Description** - This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs.

When these fields are set up correctly and have been configured as “required” in the Request software the “rules” will carry over to the other applications.

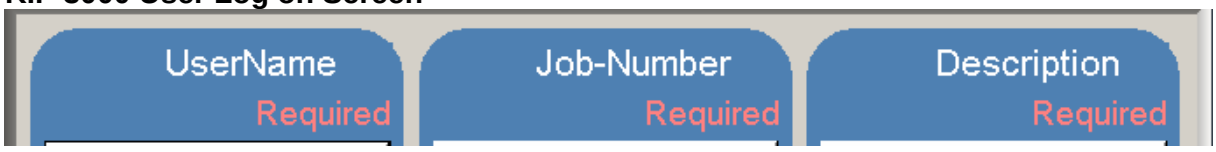
AutoCAD



CopyMaker



KIP 3000 User Log on Screen



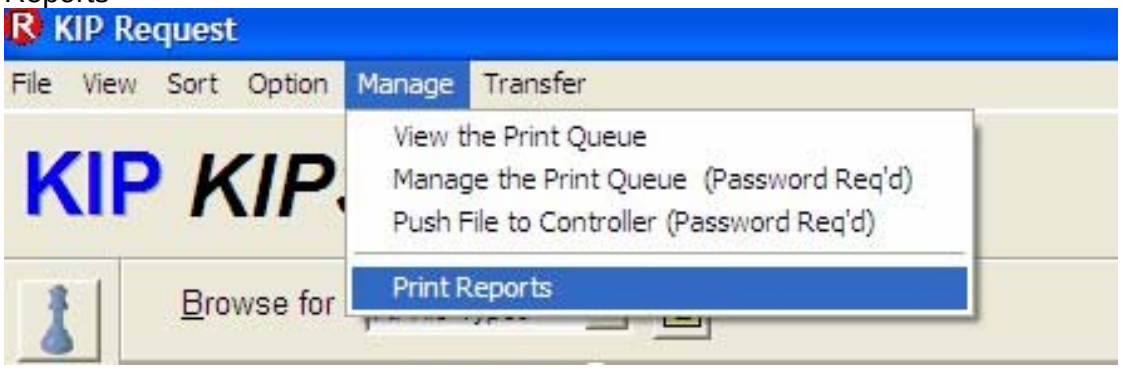
PrintNet

Accounting fields entered into the Request software installed on the Web server host pc being utilized by KIP PrintNet will also be transferred to the to users accessing the PrintNet via the intranet or internet.

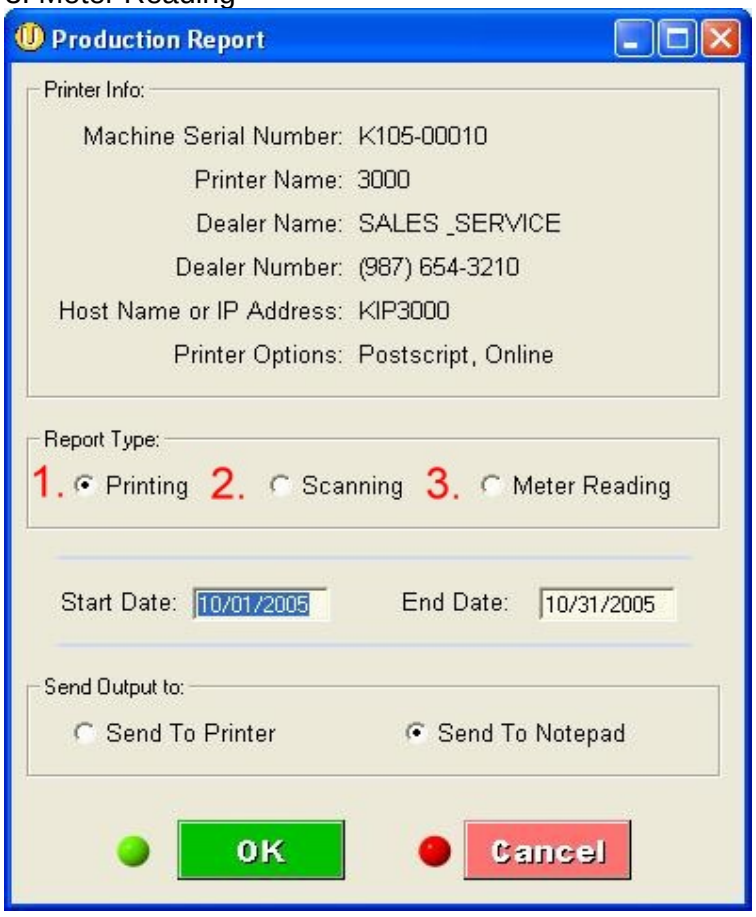
Creating Productivity Reports

Productivity reports can be generated from Request 6.0 and can be very helpful in keeping track of accounting data. These can be generated on a daily, weekly, monthly or custom time frame.

The Productivity reports can be accessed by doing the following:
1. On the Request main screen select “Manage” from the menu bar and then select “Print Reports”

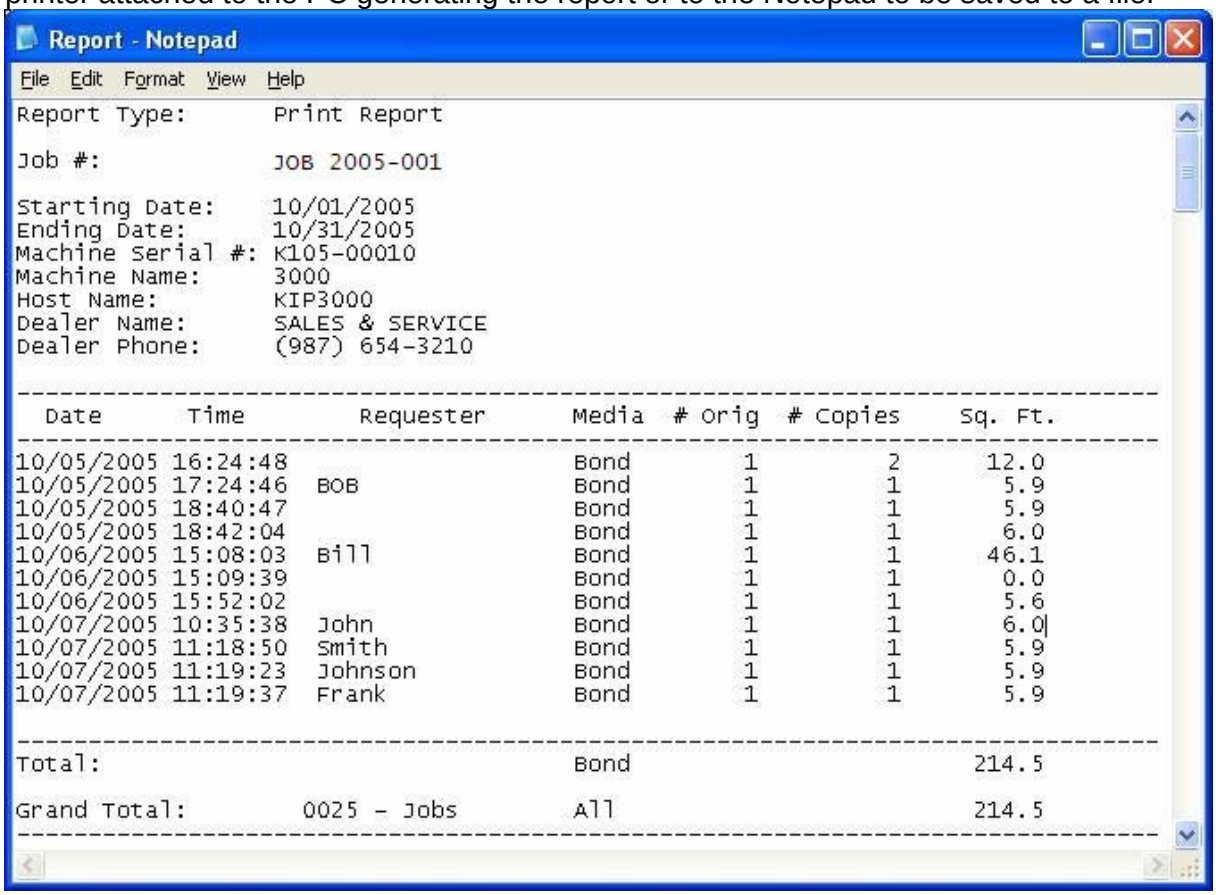


2. The Following window will appear. This is where the currently selected printer information will be displayed. There are three different types of reports that can be generated from this screen:
1. Printing
2. Scanning
3. Meter Reading



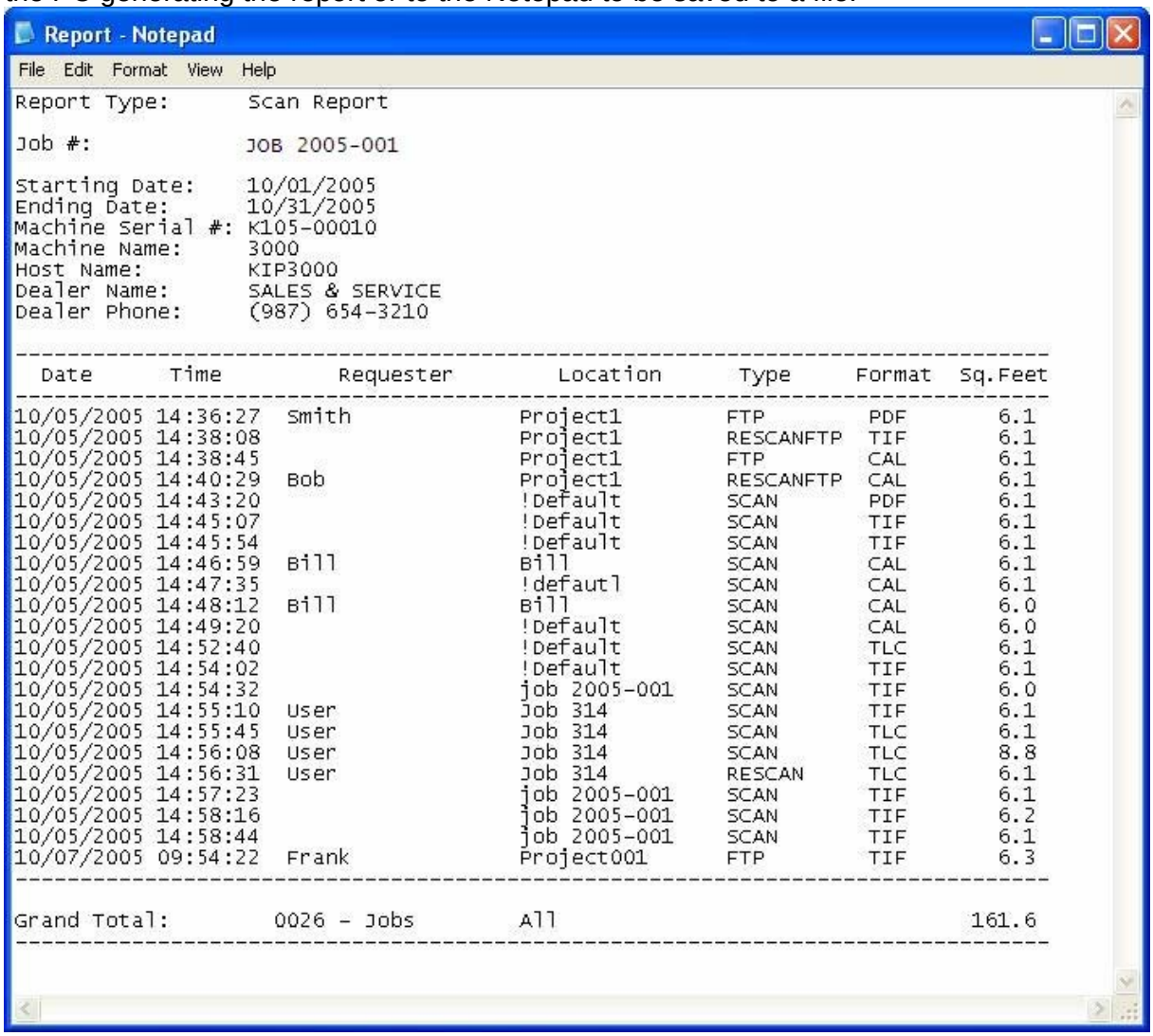
1. Printing

This report will include both prints and copies that have been sent to the 3000 print engine. The report will include Date, Time, Requester, Media, # of originals, # of Copies and Sq. Feet. The information for Requester and Job Number shown below are gathered from all KIP printing applications. The user can select the Start Date and the End Date of the report along with where to print the report. The report can be sent directly to the default printer attached to the PC generating the report or to the Notepad to be saved to a file.


Report - Notepad
File Edit Format View Help
Report Type: Print Report
Job #: JOB 2005-001
Starting Date: 10/01/2005
Ending Date: 10/31/2005
Machine Serial #: K105-00010
Machine Name: 3000
Host Name: KIP3000
Dealer Name: SALES & SERVICE
Dealer Phone: (987) 654-3210
Date Time Requester Media # Orig # Copies Sq. Ft.
10/05/2005 16:24:48 Bond 1 2 12.0
10/05/2005 17:24:46 BOB Bond 1 1 5.9
10/05/2005 18:40:47 Bond 1 1 5.9
10/05/2005 18:42:04 Bond 1 1 6.0
10/06/2005 15:08:03 Bill Bond 1 1 46.1
10/06/2005 15:09:39 Bond 1 1 0.0
10/06/2005 15:52:02 Bond 1 1 5.6
10/07/2005 10:35:38 John Bond 1 1 6.0
10/07/2005 11:18:50 Smith Bond 1 1 5.9
10/07/2005 11:19:23 Johnson Bond 1 1 5.9
10/07/2005 11:19:37 Frank Bond 1 1 5.9
Total: Bond 214.5
Grand Total: 0025 - Jobs All 214.5

2. Scanning

This report will include all files that have been scanned to file using the Scan Mode of the 3000 UI. The report will include Date, Time, Requester, Location, Type, Format and Sq. Feet. The information for Requester shown below is gathered from all KIP printing applications. The user can select the Start Date and the End Date of the report along with what to do with this data. The report can be sent directly to the default printer attached to the PC generating the report or to the Notepad to be saved to a file.



Report - Notepad

File Edit Format View Help

Report Type: Scan Report

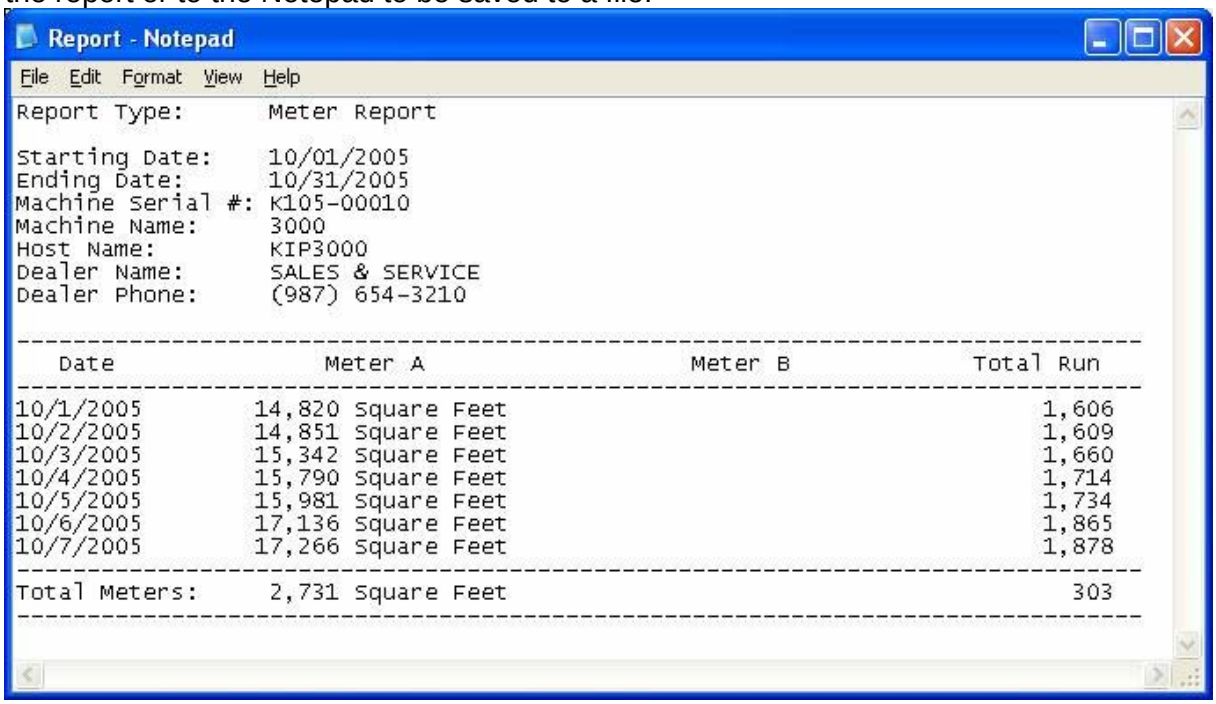
Job #: JOB 2005-001

Starting Date: 10/01/2005
Ending Date: 10/31/2005
Machine Serial #: K105-00010
Machine Name: 3000
Host Name: KIP3000
Dealer Name: SALES & SERVICE
Dealer Phone: (987) 654-3210

Date	Time	Requester	Location	Type	Format	Sq.Feet
10/05/2005	14:36:27	Smith	Project1	FTP	PDF	6.1
10/05/2005	14:38:08		Project1	RESCANFTP	TIF	6.1
10/05/2005	14:38:45		Project1	FTP	CAL	6.1
10/05/2005	14:40:29	Bob	Project1	RESCANFTP	CAL	6.1
10/05/2005	14:43:20		!Default	SCAN	PDF	6.1
10/05/2005	14:45:07		!Default	SCAN	TIF	6.1
10/05/2005	14:45:54		!Default	SCAN	TIF	6.1
10/05/2005	14:46:59	Bill	Bill	SCAN	CAL	6.1
10/05/2005	14:47:35		!defautl	SCAN	CAL	6.1
10/05/2005	14:48:12	Bill	Bill	SCAN	CAL	6.0
10/05/2005	14:49:20		!Default	SCAN	CAL	6.0
10/05/2005	14:52:40		!Default	SCAN	TLC	6.1
10/05/2005	14:54:02		!Default	SCAN	TIF	6.1
10/05/2005	14:54:32		job 2005-001	SCAN	TIF	6.0
10/05/2005	14:55:10	User	Job 314	SCAN	TIF	6.1
10/05/2005	14:55:45	User	Job 314	SCAN	TLC	6.1
10/05/2005	14:56:08	User	Job 314	SCAN	TLC	8.8
10/05/2005	14:56:31	User	Job 314	RESCAN	TLC	6.1
10/05/2005	14:57:23		job 2005-001	SCAN	TIF	6.1
10/05/2005	14:58:16		job 2005-001	SCAN	TIF	6.2
10/05/2005	14:58:44		job 2005-001	SCAN	TIF	6.1
10/07/2005	09:54:22	Frank	Project001	FTP	TIF	6.3
Grand Total:		0026 - Jobs	All			161.6

3. Meter Reading

This report will include daily Meter readings from the desired dates set in the Start Date and End Date. The report will include Date, Meter A, Meter B and Total run. This meter reading should closely match the actual meter reading on the KIP 3000 printer. The user can select the Start Date and the End Date of the report along with what to do with this data. The report can be sent directly to the default printer attached to the PC generating the report or to the Notepad to be saved to a file.


Report - Notepad
File Edit Format View Help
Report Type: Meter Report
Starting Date: 10/01/2005
Ending Date: 10/31/2005
Machine Serial #: K105-00010
Machine Name: 3000
Host Name: KIP3000
Dealer Name: SALES & SERVICE
Dealer Phone: (987) 654-3210
Date Meter A Meter B Total Run
10/1/2005 14,820 Square Feet 1,606
10/2/2005 14,851 Square Feet 1,609
10/3/2005 15,342 Square Feet 1,660
10/4/2005 15,790 Square Feet 1,714
10/5/2005 15,981 Square Feet 1,734
10/6/2005 17,136 Square Feet 1,865
10/7/2005 17,266 Square Feet 1,878
Total Meters: 2,731 Square Feet 303

Section 11

Connectivity

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- 1.1 Enter Configuration Mode 11- 2
- 1.2 TCP/IP Properties 11- 3
  - 1.2.1 DHCP / Manual IP assignment 11- 4
  - 1.2.2 DHCP / Manual DNS assignment 11- 5
  - 1.2.3 DHCP / Manual WINS assignment 11- 6
  - 1.2.4 Apply Settings 11- 7
- 1.3 Exit Configuration Mode 11- 7

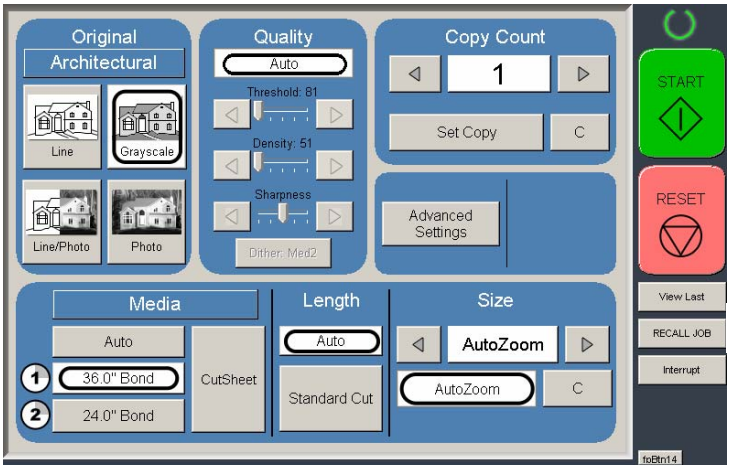
2. 0 Appendix
- Applications - Diagram A
- Applications - Diagram B
- Connectivity - Diagram C
- A – Printing from Microstation
- B – Printing from MAC OS 9
- C – Printing from Mac OS X
- Terminology and Base KIP Function

1.0 IP Addressing

1.1 Configuration Mode

To access and set the IP address:

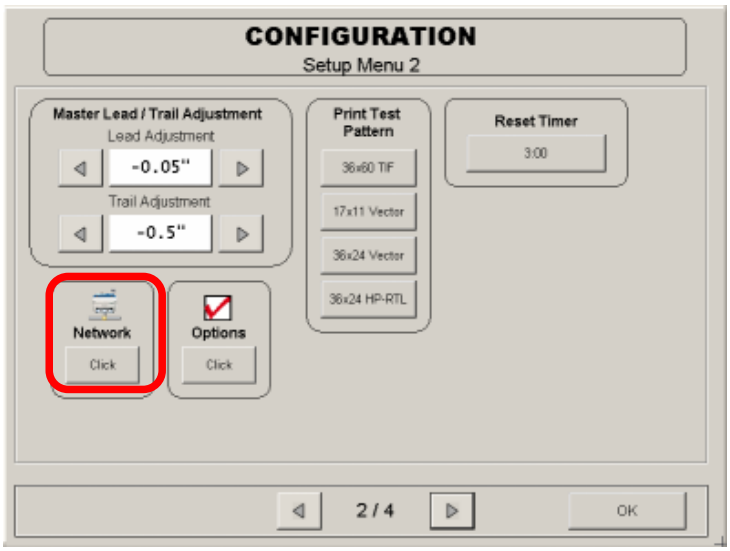
a) Press the “?” button on the Operator Panel



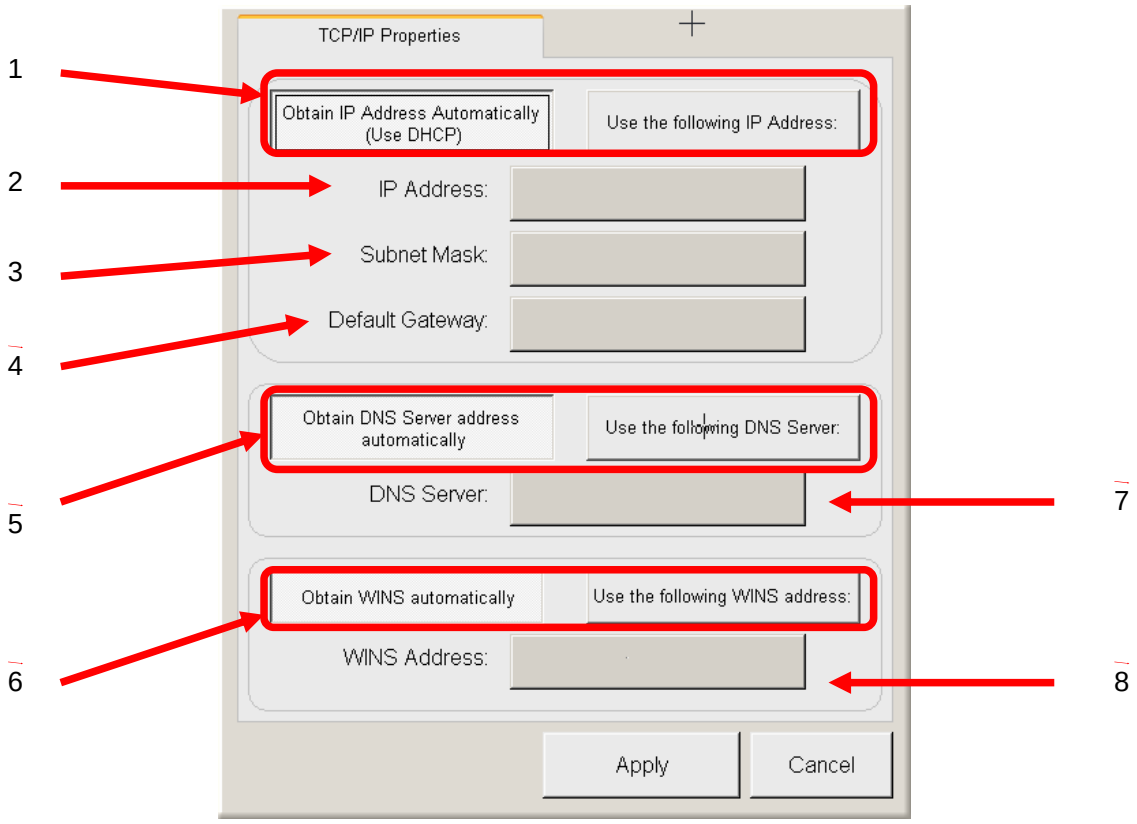
b) Then press the “Configuration” button

c) Enter “Setup Menu” and locate “Network”

d) Click “Network” to enter TCP/IP Properties Page



1.2 TCP/IP Properties

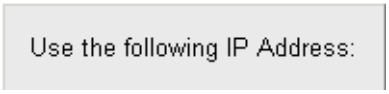


No.	Name	Function
1	IP Setting	Selects DHCP assigned IP address or manually assigned address
2	IP Address	Displays IP address
3	Subnet Mask	Displays Subnet Mask
4	Default Gateway	Displays Gateway
5	DNS Setting	Selects DHCP assigned DNS address or manually assigned DNS address
6	WINS Setting	Selects DHCP assigned WINS address or manually assigned WINS address
7	DNS Address	Displays DNS address
8	WINS Address	Displays WINS address

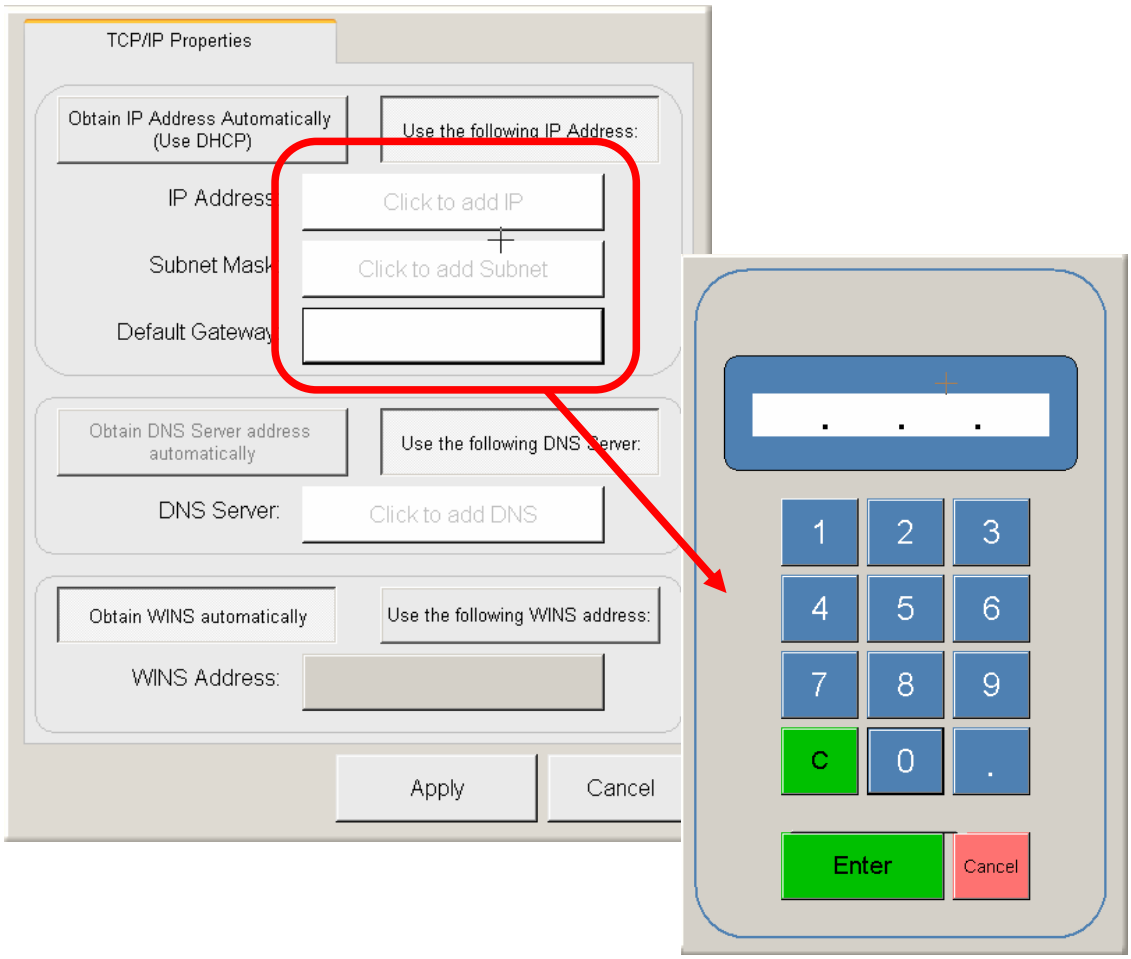
1.2.1 DHCP / Manual IP Assigment

a) Press “Use DHCP” button for DHCP to assign IP address

b) Press “Use Following IP Address” button to enter IP address manually

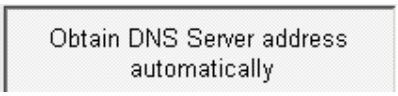


c) Enter desired IP Address, Subnet Mask, and Gateway



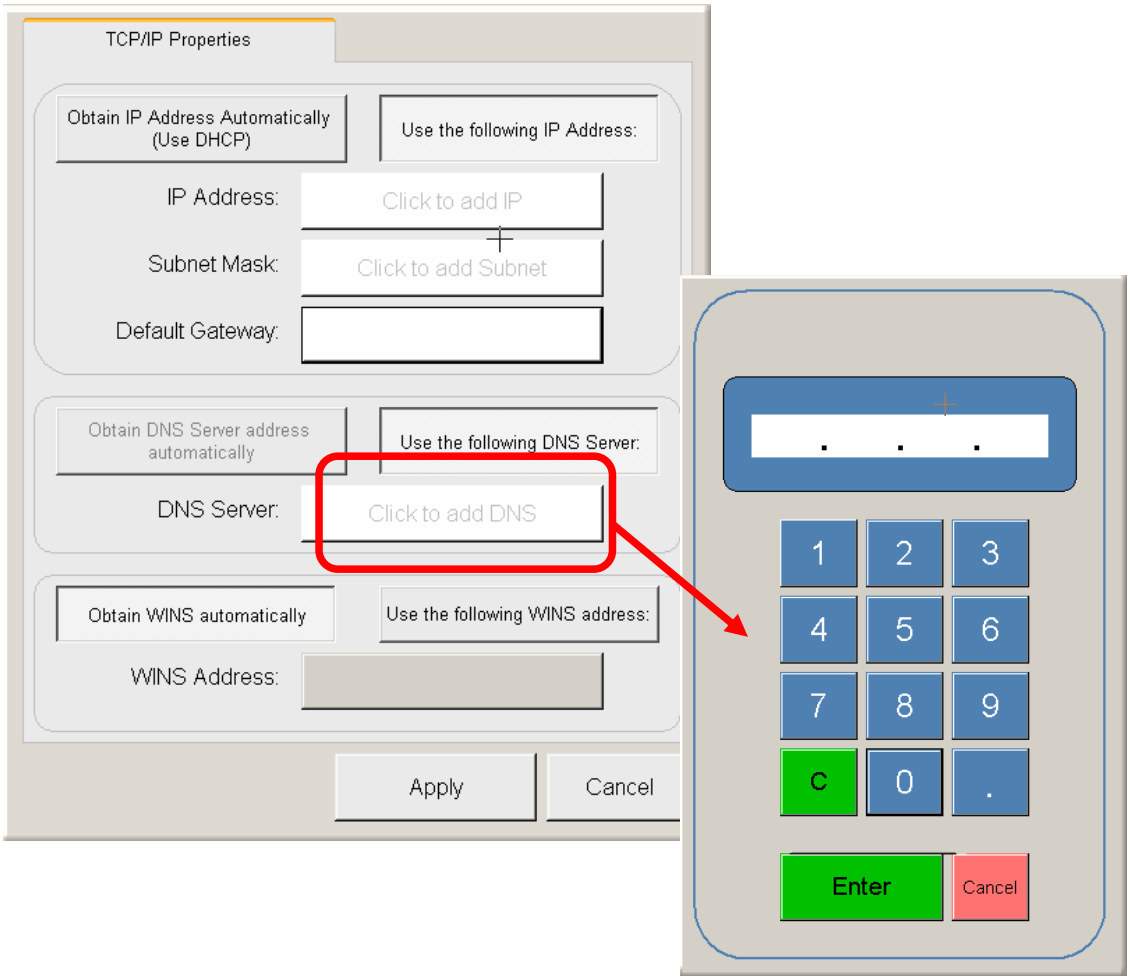
1.2.2 DHCP / Manual DNS Assigment

a) Press “Obtain DNS” button for DHCP to assign DNS address



b) Press “Use The Following DNS” button to enter DNS address manually

c) Enter desired DNS Address

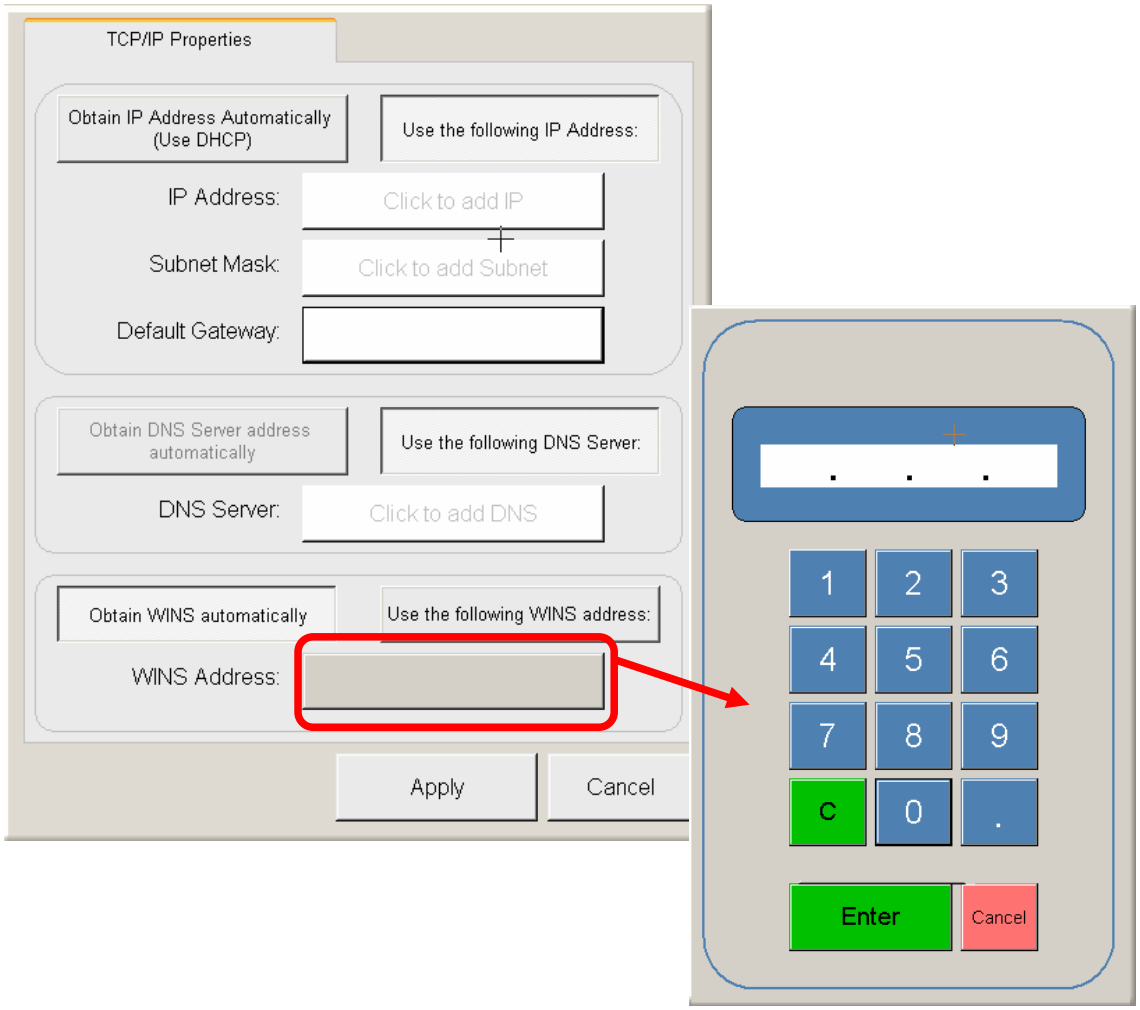


1.2.3 DHCP / Manual WINS Assignment

a) Press “Obtain WINS” button for DHCP to assign WINS address

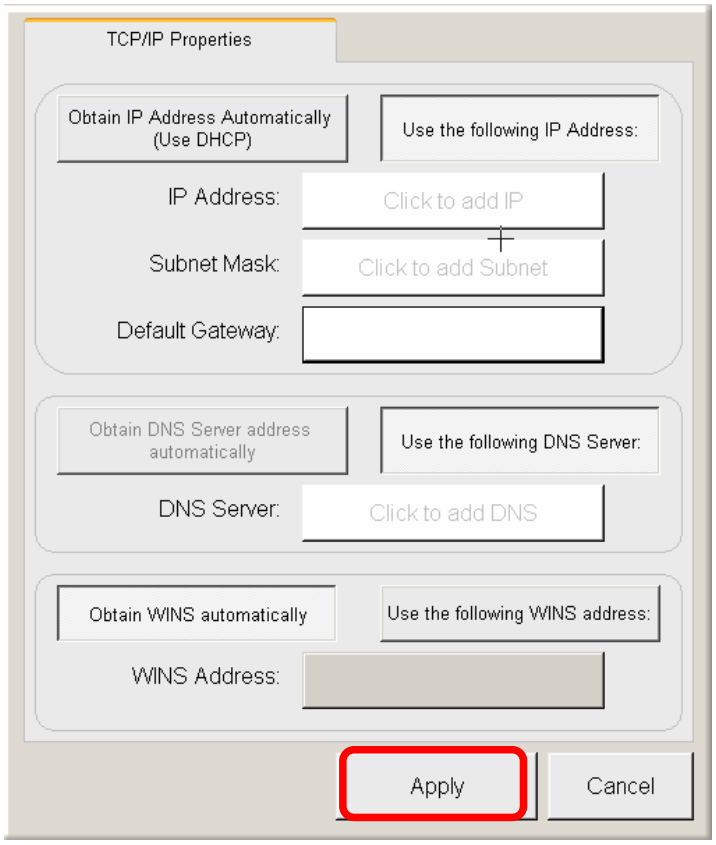
b) Press “Use The Following WINS” button to enter WINS address manually

c) Enter desired WINS address



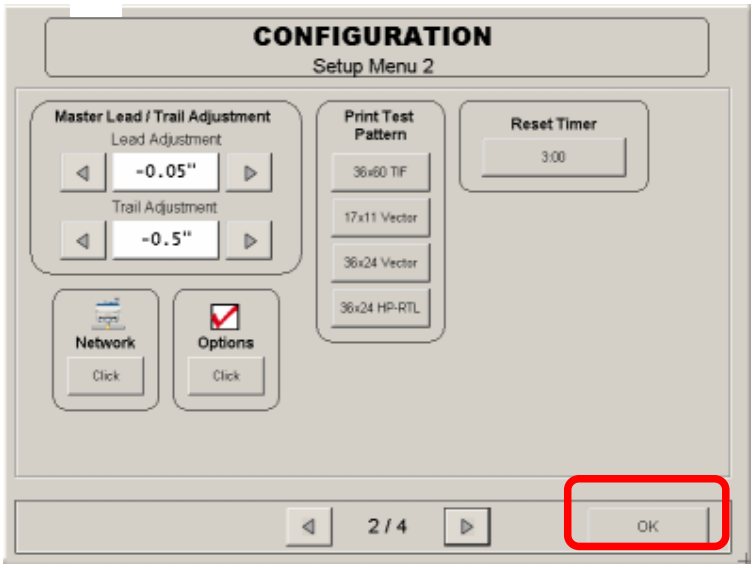
1.2.4 Apply Settings

a) Select “Apply” button to accept IP addressing information.



1.3 Exit Configuration

a) Select “OK” button to exit Configuration Menu



Connectivity - Appendix A

Printing from MICROSTATION to the KIP Printer

There are 2 methods to print from MICROSTATION to the KIP Printer.

Method 1 - Recommended

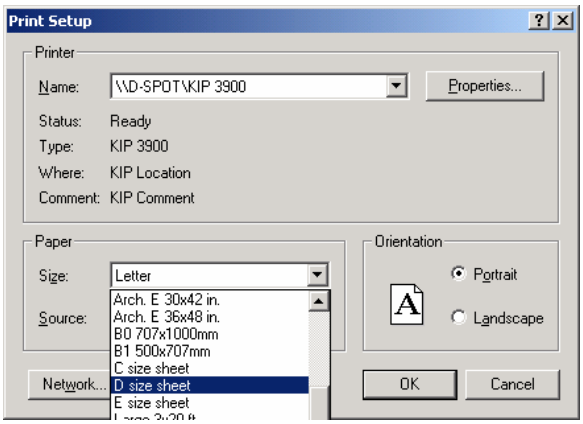
Printing from MICROSTATION using the KIP Windows Printer driver

Convert the drawing file data into raster data using the KIP Windows driver. Inside MICROSTATION, choose “Printer.PLT” as the driver to use the KIP windows driver. The KIP windows driver, however, should be the “Default” printer on the system at this time. The driver inside MICROSTATION will use the device properties as set for the KIP Windows printer, including dither patterns, paper settings, etc.

Simply choose “Printer.plt’ as the driver to use the KIP Printer by default from MICROSTATION. Click on ‘Page’ and select properties of the KIP Windows driver

Click on ‘Plot’ to complete printing using the KIP Windows driver

See “Windows Driver – Section 6” for details on driver installation.



Method 2 – Not Recommended

Use an HPGL-2 driver from within MICROSTATION

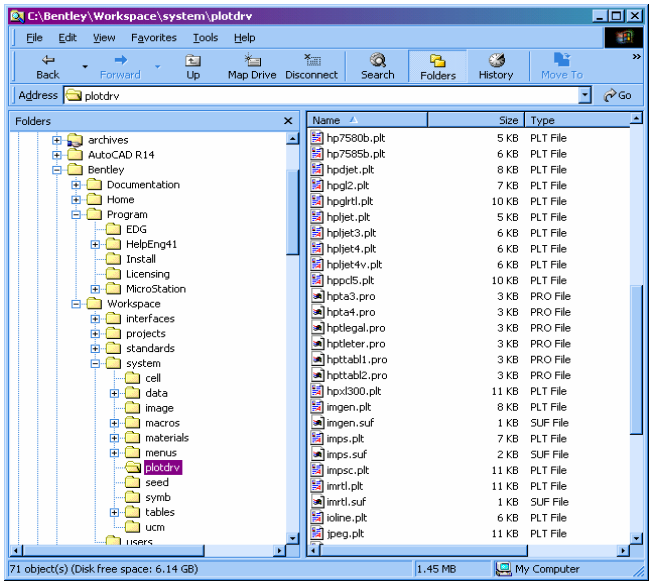
Use an HPGL-2 compatible driver (**IMRTL.PLT**) from within MICROSTATION to generate plot file data (.PLT). Using this method, users have 2 choices of sending data to the Printer.

a) Point the output path of the ‘IMRTL.plt’ driver directly to the KIP ‘Port’ (for more information regarding the KIP ‘Port’, please refer to the windows driver section) on the KIP Controller.

b) The .PLT files created by the driver can be viewed within the Request software and printed in collated sets with enhanced features like using stamps, header information and Pen settings.

Setting up the HPGL-2 parameters to create KIP Printer ready data file

- Using windows explorer, identify folder where MICROSTATION software is installed.
- Under the sub-folder 'PLOTDRV' select '**IMRTL.PLT**'. Open this file with Windows 'Notepad'.



- **Editing the "IMRTL.PLT" file:**

  The line that requires a change is marked below in bold.
  For an example, we will assume that the MICROSTATION User requires to print to a KIP **3000** Printer. We will also assume the Computer name to be "**KIP-PPC**".

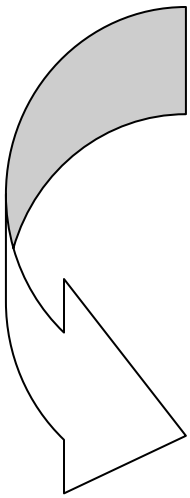
Method 2 : Direct Print
Since the Port would be set up automatically with the change as on the next page, users would be able to use this driver (KIPGL.PLT) to create plot file data directly to the KIP controller

Method 2 : Request Print
Generate the plot file data (.PLT) at any specified location on the system using the method above. Use KIP Request to select the ".plt" files and submit them for printing. File collation, stamping, header information addition, etc are features the users could use while using the KIP Request software.

```
; MICROSTATION starts counting pens at 1, so even though the HP 650c has
; pens 0 through 255, pen 0 is not used by MICROSTATION.

num_pens   = 255        ; Defines pens used - max value is 255
change_pen = both       : options are color, weight, level or both
model      = mdl        ; plotter model
driver     = hmrhpgl2   ; MDL driver to use
autocenter              ; Automatically center plot on page
end_plot   = eject      ; Performs page eject
rotate     = none       ; enable/disable automatic rotation to maximize
                        ; plots: cw = rotate clockwise, ccw = rotate
                        ; counter-clockwise, none = disable
                        ;default_extension/auto_incExt = '000'
                        ; default extension for plotfiles
;
; To configure a default output file name comment out the default_extension
; line above and uncomment this line.  "lpt1" may be substituted with any
; desired filename - e.g. "$(MS_PLTFILES)plotfile.000"
default_outFile/auto_overwrite = "lpt1"
; Substitute the name of a pentable file to be loaded when this driver is
selected
;pentable=\dir\file.tbl

border/pen=1/filename/time     ; leave this out for no border
; communication=(handshake=0,baud=9600,par=none,data=8,stop=1)
```



This line above, should be:

default_outFile/auto_overwrite = \\Computername\Shared_printer_driver name

or as in example using ‘KIP-PPC” as the Computer name and ‘KIP3000” as the shared printer driver name:

default_outFile/auto_overwrite = \\KIP-PPC\KIP3000

Once the changes are made, the user could overwrite the file with the same filename, or could save the new file as ‘**KIPGL.PLT**’.

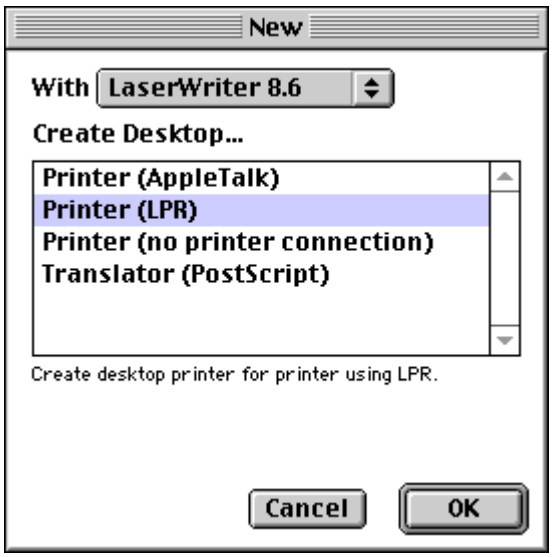
Connectivity - Appendix B

Configuring a TCP/IP Desktop Printer for Mac OS 9

The Apple Desktop Printer Utility is required for TCP/IP printing. This utility allows the user to configure a desktop printer by specifying the type of printer being used and its IP address.

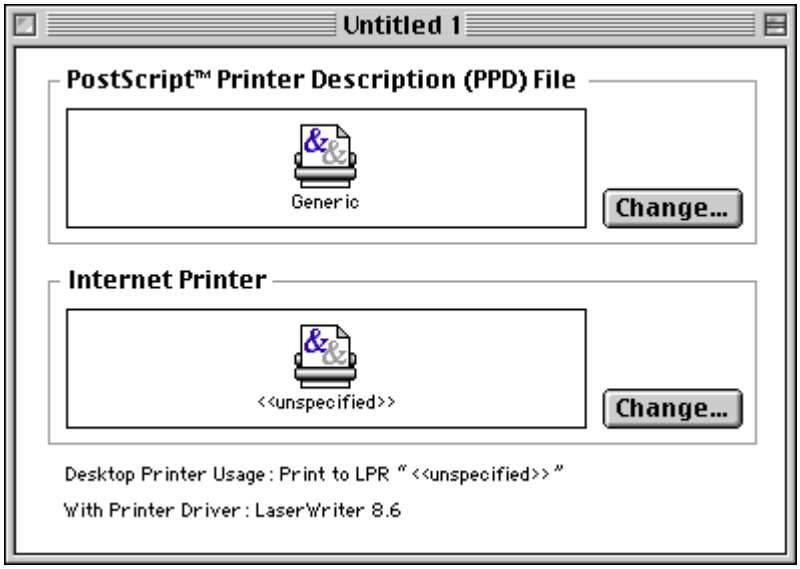
To configure the desktop printer, do the following steps:

1. Open the Desktop Printer Utility. The following dialog box should appear:

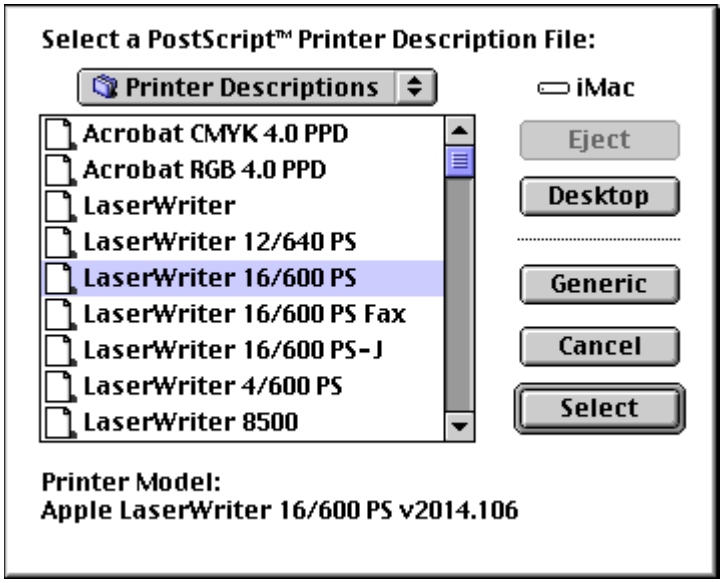


   a. Select the printer driver you wish to use (LaserWriter 8.5.1 or later) in the popup menu;
   b. Select the “Printer (LPR)“ to specify TCP/IP printing;
   c. Click OK.

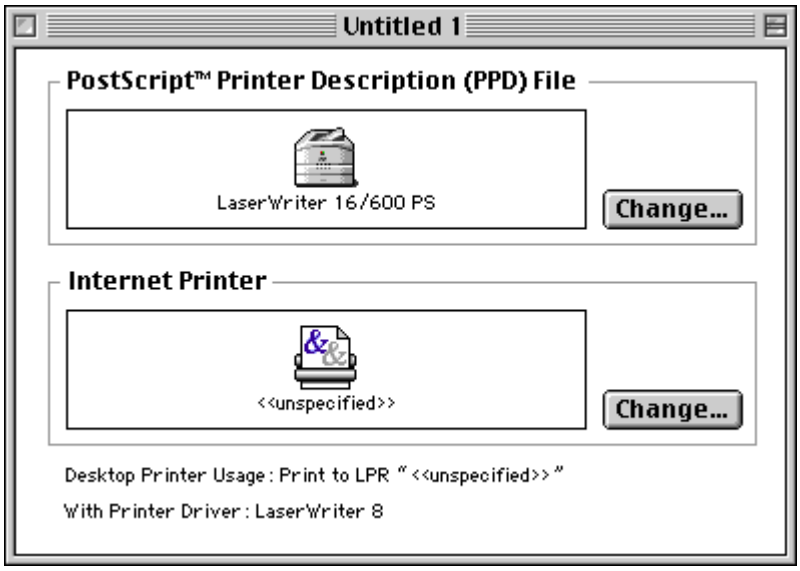
2. A new dialog should appear:



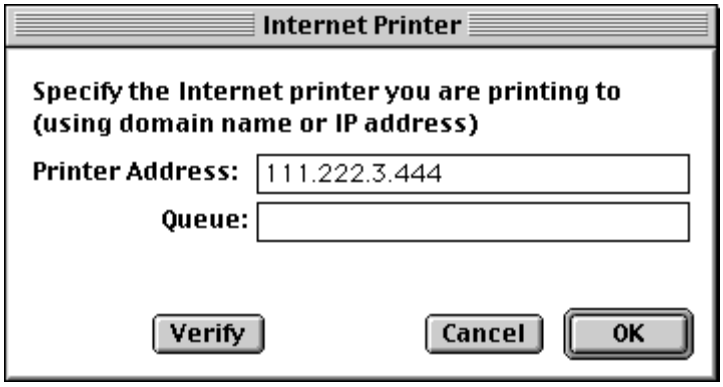
3. Under “PostScript™ Printer Description (PPD) File,“ click Change. A list of Printer Description files should appear. Select the PPD with the same name as your printer.



Click the “Select“ button and you will see the desktop printer configuration dialog appear again:



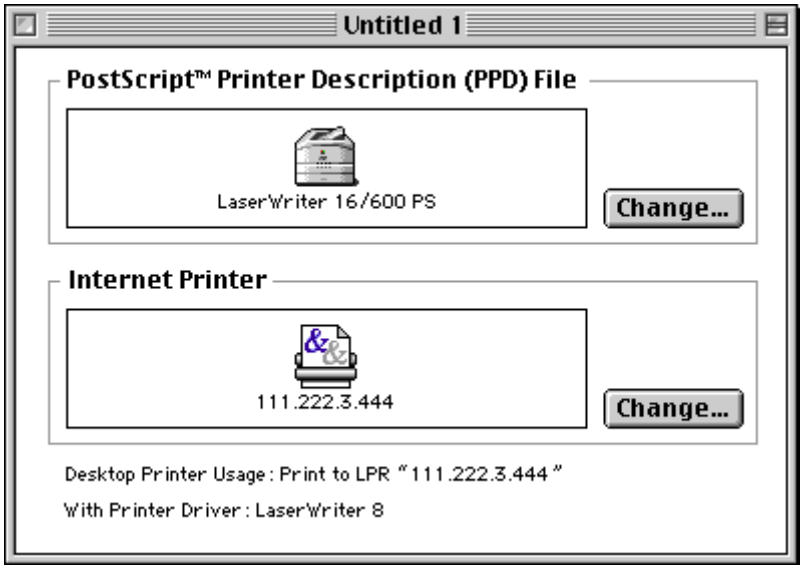
4. Under “Internet Printer“ click “Change.“ The following dialog should appear:



. Under “Printer Address,“ enter either the name (e.g., laserwriter.acme.com) or the IP address (111.222.3.444) for the printer. (The domain name or IP address should be the same as the one you previously set up, as described in Palomar’s Setting Printer IP Addresses page). A Queue name is not needed for direct printing to a TCP/IP printer; it is only used when using a UNIX print spooler.

a. Click Verify to verify the printer’s location. If a printer is found to exist at the specified IP address, a message stating that a printer exists at the specified location appears at the bottom left-hand corner of the screen; if this message does not appear, then correct the printer address.
b. Click OK.

5. The status dialog should look something like this:



6. Select Save under the File menu to create a desktop printer. Select a name for the desktop printer. A new printer icon should appear on the desktop. Verify that the configuration works by dragging a printable document onto the new desktop printer.

Connectivity - Appendix C

Configuring a TCP/IP Printer in Macintosh OS X

The KIP IPS can be connected to Macintosh systems through TCP/IP. Macintosh allows for this by configuring a desktop printer to point to the KIP IPS. The Following steps note the procedure for setting up a Macintosh system for TCP/IP printing. These steps apply to **Macintosh OS X**:

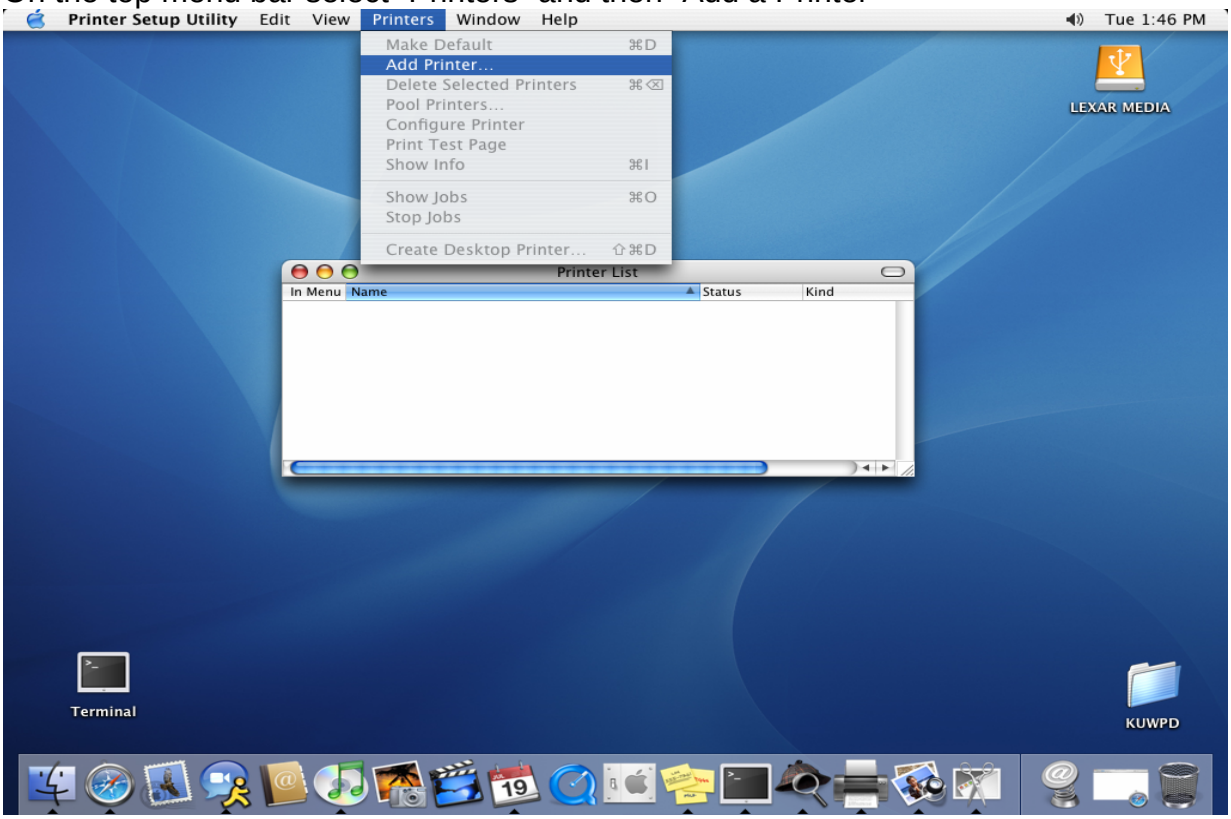
1. On the desktop open the Mac hard drive

2. Select the “Applications” folder

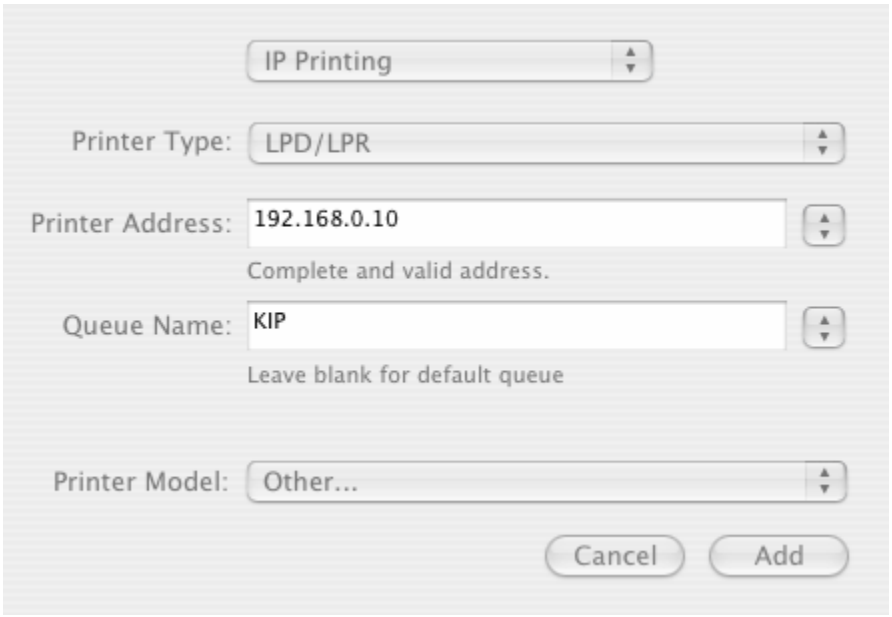
3. Select the “Utilities” folder

4. Find the “Printer Setup Utility”

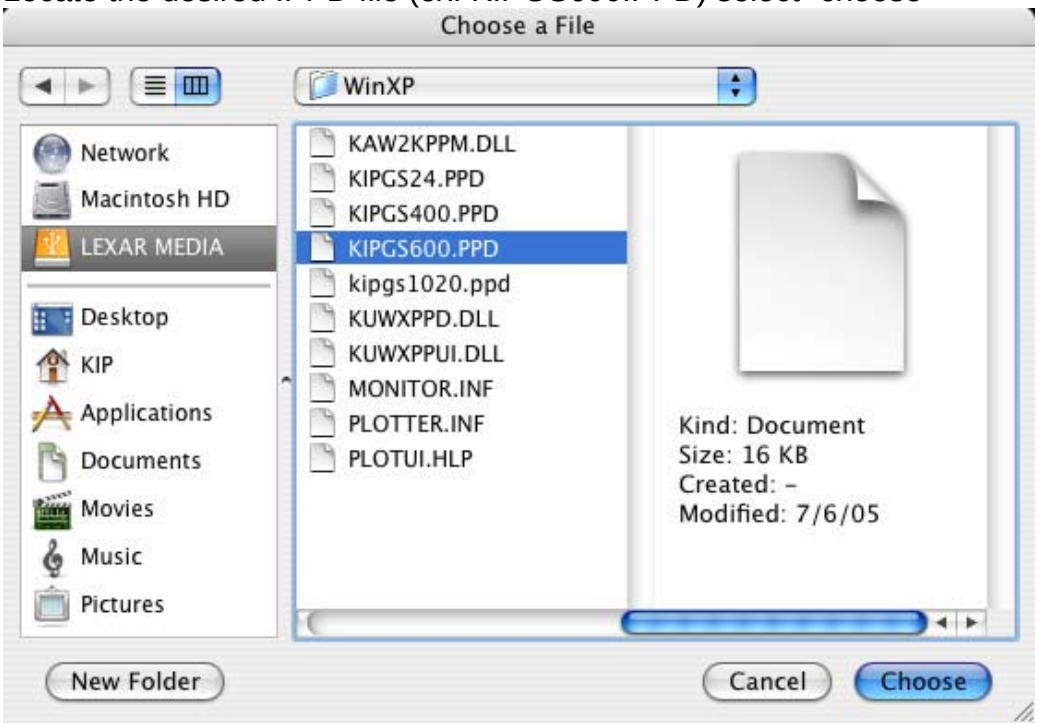
5. On the top menu bar select “Printers” and then “Add a Printer”



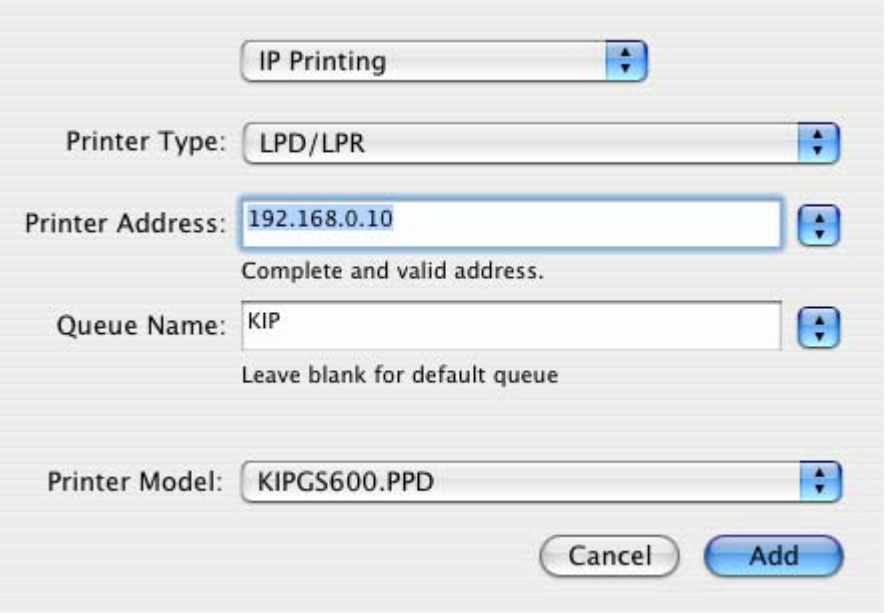
6. On the next screen you will need to configure the following items:
    a. In the first pull down select “IP Printing”
    b. In the second “Printer Type” pull down select LPD/LPR
    c. In the third area “Printer Address” set this to your KIP printer IP Address
    d. In the fourth area “Queue Name” set the queue name to KIP (this is the default Queue name)
    e. In the fifth area “Printer Model” select “Other”



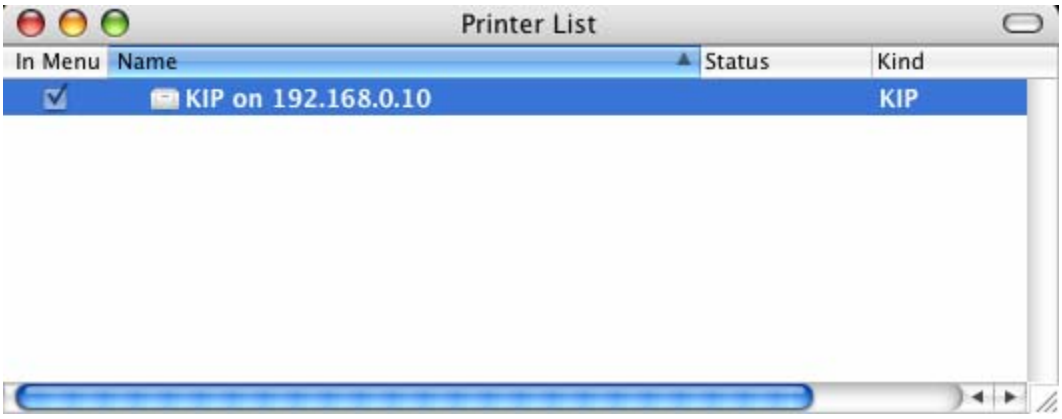
7. Locate the desired .PPD file (ex. KIPGS600.PPD) select “choose”



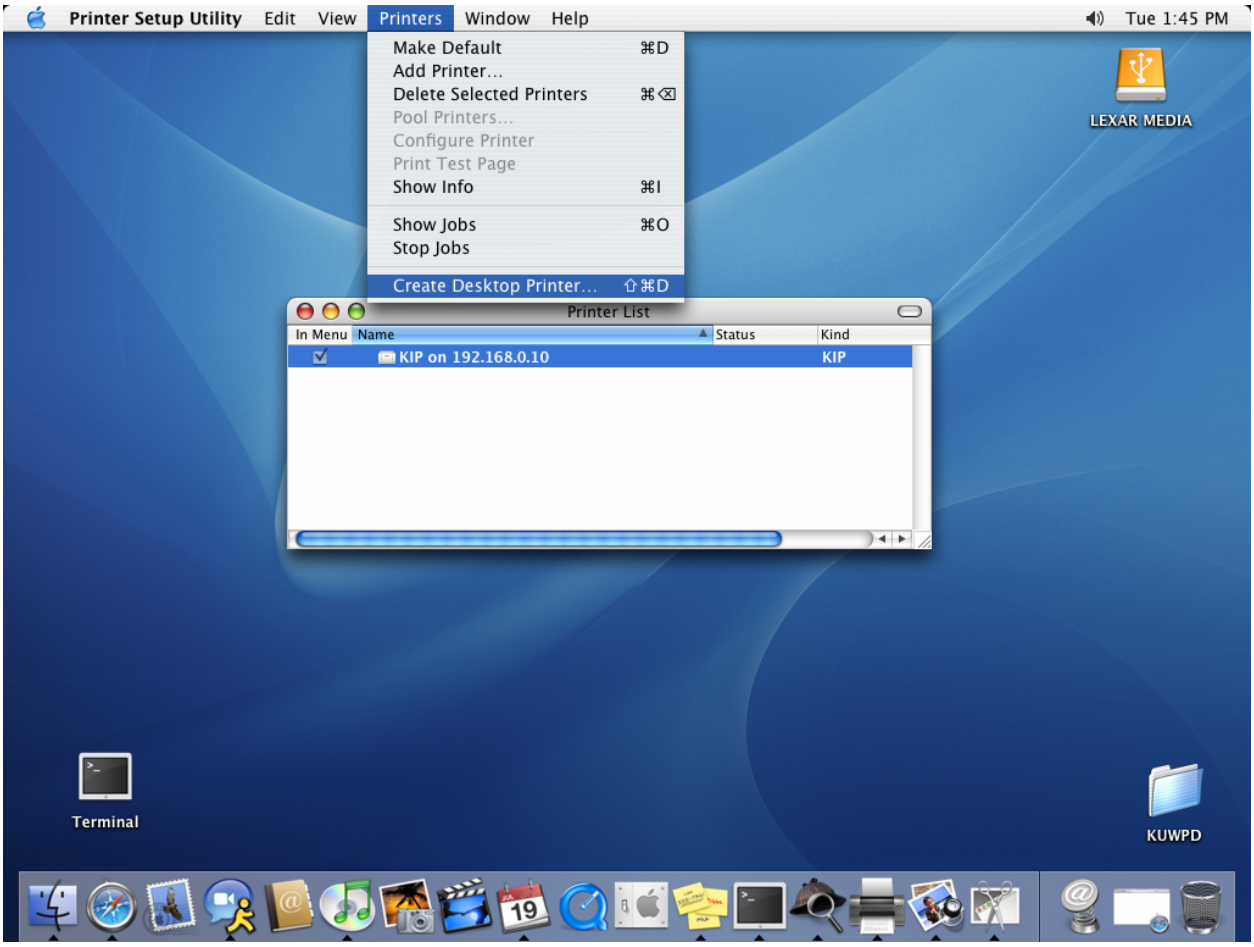
8. Select “Add”



9. The printer set up will be in the Printer List



10. In the menu bar on top, select Printers then select “Create Desktop Printer” from the pull down choices



Connectivity - Appendix D

KIP IPS - Technical Detail

Version 1.1

Introduction

The following document contains technical detail and description related to the networkability of KIP printers, functionality of KIP printers in various network typologies, and concepts relating to client-server printing architecture. This document is intended for an audience familiar with core networking fundamentals and concepts, and an understanding of general network typologies and practices.

KIP Printers are considered to be *hardware network-connected devices* in the sense that participation within a given network typology requires a physical RJ-45 type connection in order to communicate with other network devices such as computer workstations, dedicated-servers, switching equipment, hubs, bridges, office printers, routers, and a variety of other network capable hardware.

KIP Printers are TCP/IP devices. TCP/IP is short for **T**ransmission **C**ontrol **P**rotocol / **I**nternet **P**rotocol. TCP/IP is a widely adopted networking protocol standard that is common place in many environments requiring network capable equipment, and network connectivity to company intranets, the larger internet, e-mail, wireless communications, shared printing devices, IP-telephony, and many other applications

Many other networking protocols exist at the same OSI level as TCP/IP (.e. IPX/SPX AppleTalk, NetBEUI) and at lower levels of the OSI model (BGP, RIP, OSPF, IGRP / EIGRP). TCP/IP can be traced to it's origin in 1969 to a research project funded by the United States Defense Advanced Research Projects Agency (DARPA). In 1983 TCP/IP was adopted as a standard by the DARPA as the primary vehicle for network connected devices, or hosts, and was considered a requirement for connected device implementation. Many companies have now built corporate TCP/IP networks that have grown to a point at which it could almost be considered a mainstream consumer technology.

TCP/IP has several different fundamental concepts and inner working that are well beyond the scope of this document. An excellent resource of TCP/IP study can be found at http://www.faqs.org/rfcs/rfc1180.html.

Industry Standard Terminology

Network **I**nterface **C**ard (NIC):
All KIP digital printers come equipped with an onboard **N**etwork **I**nterface **C**ard (NIC). The NIC houses a RJ-45 type connection that allows it to interface with other networking hardware via a *patch cable.* The onboard NIC is responsible for receiving, transmitting, encoding, and interpreting TCP/IP *segments* or *packets* present on a network.

Operating **S**ystem (OS):
All KIP digital printers are equipped with software driven **O**perating **S**ystem that further handles encoded and decoded TCP/IP packets.

Line **P**rinter **R**emote / **L**ine **P**rinter **D**aemon (LPR/LPD):
All KIP digital printers are capable of communicating via a dedicated TCP port designed for printing called Line Printer Remote / Line Printer Daemon. LPR/LPD protocols are defined by RFC1179. The KIP LPD accepts data on TCP port 515. Whereas LPR/LPD is commonly found in UNIX based networks, it is also found and accepted on Windows based networks, and Novell based networks.

Transmission **C**ontrol **P**rotocol / **I**nternet **P**rotocol:
KIP Printers are TCP/IP devices. TCP/IP is short for **T**ransmission **C**ontrol **P**rotocol / **I**nternet **P**rotocol. TCP/IP is a widely adopted networking protocol standard that is common place in many environments requiring network capable equipment, and network connectivity to company intranets, the larger internet, e-mail, wireless communications, shared printing devices, IP-telephony, and many other applications.

TCP Port:
A common name given to a numbered *connection* based communication channel across TCP/IP. Some facts regarding TCP connectivity include:

- TCP can establish a Connection
- TCP provides a stream of unlimited length
- TCP guarantees that as long as you have a connection data sent will arrive at the destination

UDP Port:
A common name given to a *connectionless* based communication channel. Some facts regarding UDP connectivity include:

- UDP cannot establish connectivity
- UDP provides no guaranteed delivery or error checking
- UDP is faster for sending small amounts of data

KIP Printer Network Components

KIP printers have several network components (both hardware and software based) that allow for TCP/IP printing functionality.

KIP0 Port (KIP0):
All KIP digital printers are capable of communicating via a dedicated TCP *port* for printing, and client communications. The KIP0 port accepts data on TCP port 8421 and responds on the *source port* initiated by a client and/or server. The KIP0 port is designed and maintained by KIP and is dedicated to function within a Microsoft Windows based computing environment. KIP Unified Windows Printer Drivers and KIP Request Software are fundamentally linked to the KIP0 port and provide seamless network connectivity to and from the KIP printer. The KIP0 port was designed for specific Wide-Format printing objectives not addressed in traditional *port monitors*.

KAWPDFT.EXE:
KAWPDFT.EXE is a KIP designed executable used exclusively by KIP Request software to transfer printable data in the form of Job Tickets to the KIP Printer, and retrieve status indications from the KIP printer. KAWPDFT.EXE selects any unused upper level client TCP port (> 1023) and attempts to connect to the KIP Printer's listening TCP port (8421).

KIPSERVE.EXE:
KIPSERVE.EXE is a KIP designed executable that can best be described as a listening *service* or *listening daemon*. KIPSERVE resides within the OS of all KIP digital printers. KIPSERVE accepts data on TCP port 8421 from KIP Request software (via KAWPDFT.EXE) and/or from the port monitor component of the KIP Unified Windows Printer Driver (described below). As data arrives from either source, a KIP Job Ticket is generated for further print processing. KIPSERVE also delivers simple printer status across the source port in which it was initially connected from.

KIP **U**nified **W**indows **P**rinter **D**river (KUWPD):
All KIP digital printers are provided with a Windows Printer Driver that can be used for various Windows application printing. The KUWPD is comprised of many components, some of which pertain to network functionality.

- KIP Port Monitor: The KIP port monitor establishes a default **KIP0** printer port on NT/2000/XP/2003 based workstations and servers. Multiple KIP ports can be created, but must have a unique name such as KIP1, KIP2, KIP3 and so on. The port monitor is responsible for transferring data from the Windows Client (be it a dedicated print server or workstation) to the KIP printer. This concept is fundamentally different from a *print spooler* because a print spooler is the component on Windows operating systems

that delivers print jobs from applications on a client computer to a print servers and/or hands off data to a *port monitor* for local or remote delivery. The KIP port monitor can operate in one of two modes depending on its network location: Server Mode and Controller Mode.

- **Server Mode:**

  The KIP port monitor can operate in server mode. Server mode describes functionality where the KIP0 port is expected to *deliver* data to some host (KIP printer) other than the current port location. This destination can be specified by either an assigned IP address of a KIP printer or resolved host name of a KIP printer (i.e. DNS or WINS name resolved). This transport is accomplished via TCP port 8421 to a listening KIPSERVE.EXE on the remote host.

- **Controller Mode:**

  The KIP port monitor can operate in controller mode. Controller mode describes functionality where the KIP0 port is expected to write out KIP Job Tickets on the host in which the port is installed. Network delivery methods are suspended in this mode. All KIP digital printers are factory delivered and equipped with a KIP port monitor in Controller Mode. This is essential for LPR based print delivery methods as it coordinates closely with LPD services also present within the operating system of KIP digital printers.

- Port Operations: Regardless of the port *mode* (Server vs. Controller), the KIP0 port is capable of functioning in *native mode* or *pass-through mode*. The native vs. pass-through concept can best be described as an auto-sensing of the method in which printable data has been presented to the KIP0 port monitor.

Native Mode vs. Pass-through Mode

The KIP port monitor is capable of auto-sensing what type of printable data arrives and how to further handle the data for network transport. KIP port monitor is able to detect the *origin* of printable data based on an examination of certain bytes within file header information present in the print data stream. Based on this data type, the KIP port monitor dynamically operates in two possible transport modes: Native and Pass-through.

* It is important to note that native mode and pass-through mode functions regardless of port locations Server Mode vs. Controller Mode described above.

- Native mode:

Native mode refers to printable data generated by the KUWPD rendering engine. Data arriving in this format has been rendered by the KUWPD exclusively by coordination between the Microsoft GDI engine and the driver components of KUWPD. Most applications will use the Window Print Manager functions in coordination with a printer driver to generate printable data for the desired network printer. A KIP Job ticket is thus generated and is said to be in ***native mode*** format. Data that has been determined to have not been generated by KUWPD causes the KIP port monitor to operate in Pass-through mode.

- Pass-through mode:

Pass-through mode refers to printable data **not** generated by the KUWPD rendering engine. Data arriving in this format is assumed to be *print ready* and has not been directly rendered by the KUWPD engine. Many CAD specific applications have the ability to render printable data languages directly within the design application, bypassing the GDI and driver functionality of a standard Windows based application and/or printing methodology. These types of applications generally make use of *helper drivers* and/or *internal drivers* to prepare printable data before any GDI or Windows based driver mechanism comes into direct contact with the print data. Examples of such Windows applications that have internal rendering capability are, but are not limited to, AutoDesk AutoCAD products (via dedicated HDI print drivers), Bentley MicroStation Products, Dassault Catia based products, Unigraphics based products, SDRC Ideas based products. These types of CAD applications behave in a way similar to UNIX based printing architecture in that data is forwarded to a port monitor, such as KIP port monitor, for the sole purpose of transporting printable data to a network printer, thus *passing-through or bypassing* the Microsoft GDI and printer driver rendering functions. A KIP Job ticket is thus generated and is said to be in ***pass-through*** format.

* It is important to note that Pass-through mode is always employed when KIP port monitor accepts data from a UNIX based clients. UNIX applications generate printable data without the use of Microsoft GDI functionality, and primarily use LP/LPR/LPD type transport.

MICROSOFT NETWORK CONNECTIVITY

Windows Workstation
NT/2000/XP

Windows Printer Driver
AutoCAD Driver
“Helper” Drivers

SPOOLER

Windows Server
NT/2000/2003

KIP0 Port Monitor
Or
LPR Port Monitor

TCP 8421
Or
TCP 515

KIP Digital Printer

NOVELL NETWORK CONNECTIVITY

Windows Workstation
NT/2000/XP

Windows Printer Driver
AutoCAD Driver
“Helper” Drivers

SPOOLER

Netware Server
5.X / 6.X

NDPS Gateway
LPR over IP

TCP 515

KIP Digital Printer

UNIX NETWORK CONNECTIVITY

Unix CAD Workstation
Sun/HP/SGI/IRIX

Catia V4 GL/2 output
Ideas GL/2 output
Unigraphics GL/2 output
TIFF output
CALS output
Others , , ,

LP/LPR

Unix Server
5.X / 6.X

LP/LPR/LPD

TCP 515

KIP Digital Printer

KIP Printing Applications Guide

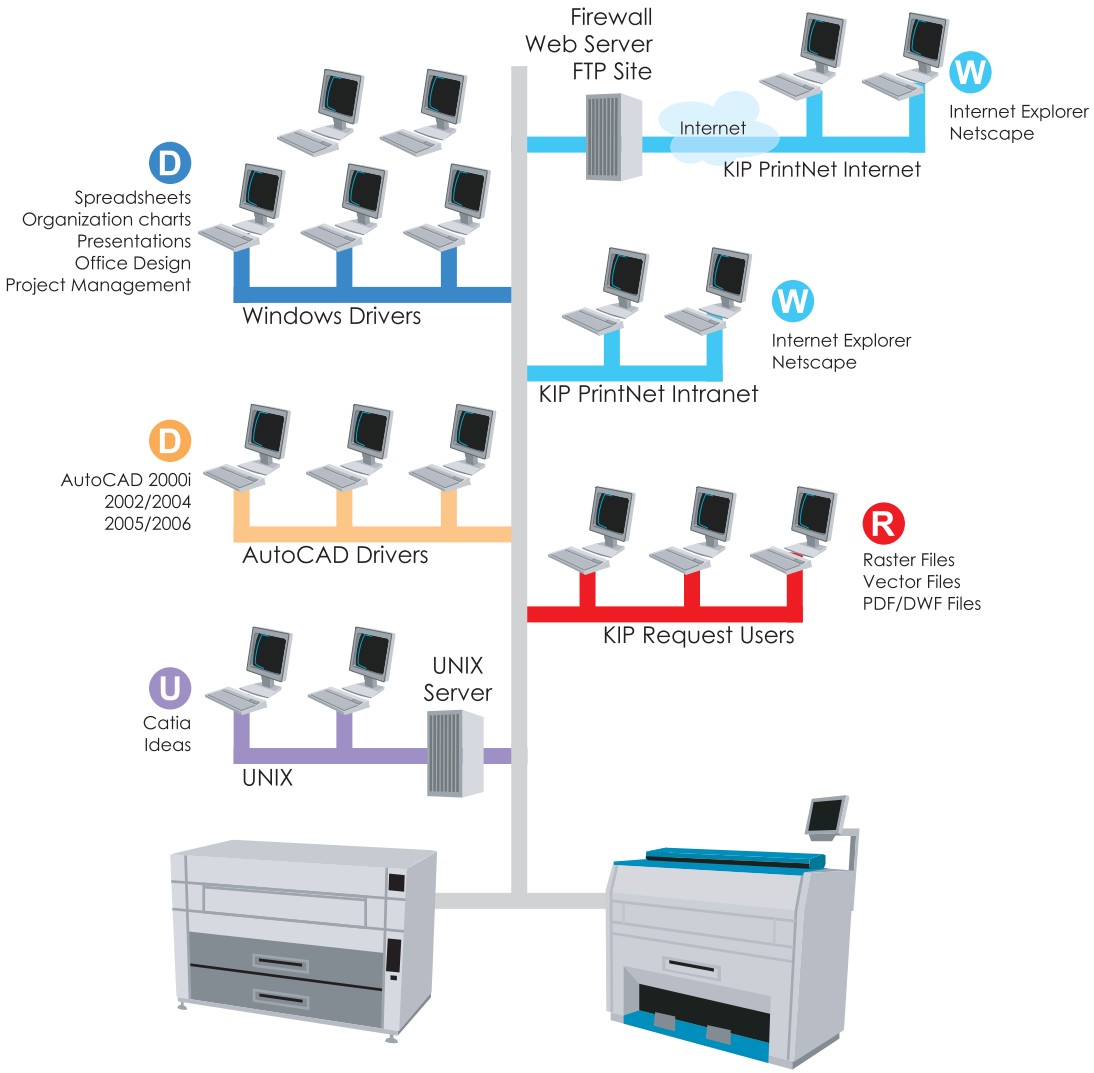
R KIP Request is an easy-to-use application that provides remote users with an efficient method of printing single documents or collated sets through the network.

W KIP PrintNet is a web browser based printing utility compatible with standard web browsers which shares a uniform interface with KIP Request software.

D KIP AutoCAD drivers enable printing directly from AutoCAD® technical design applications.

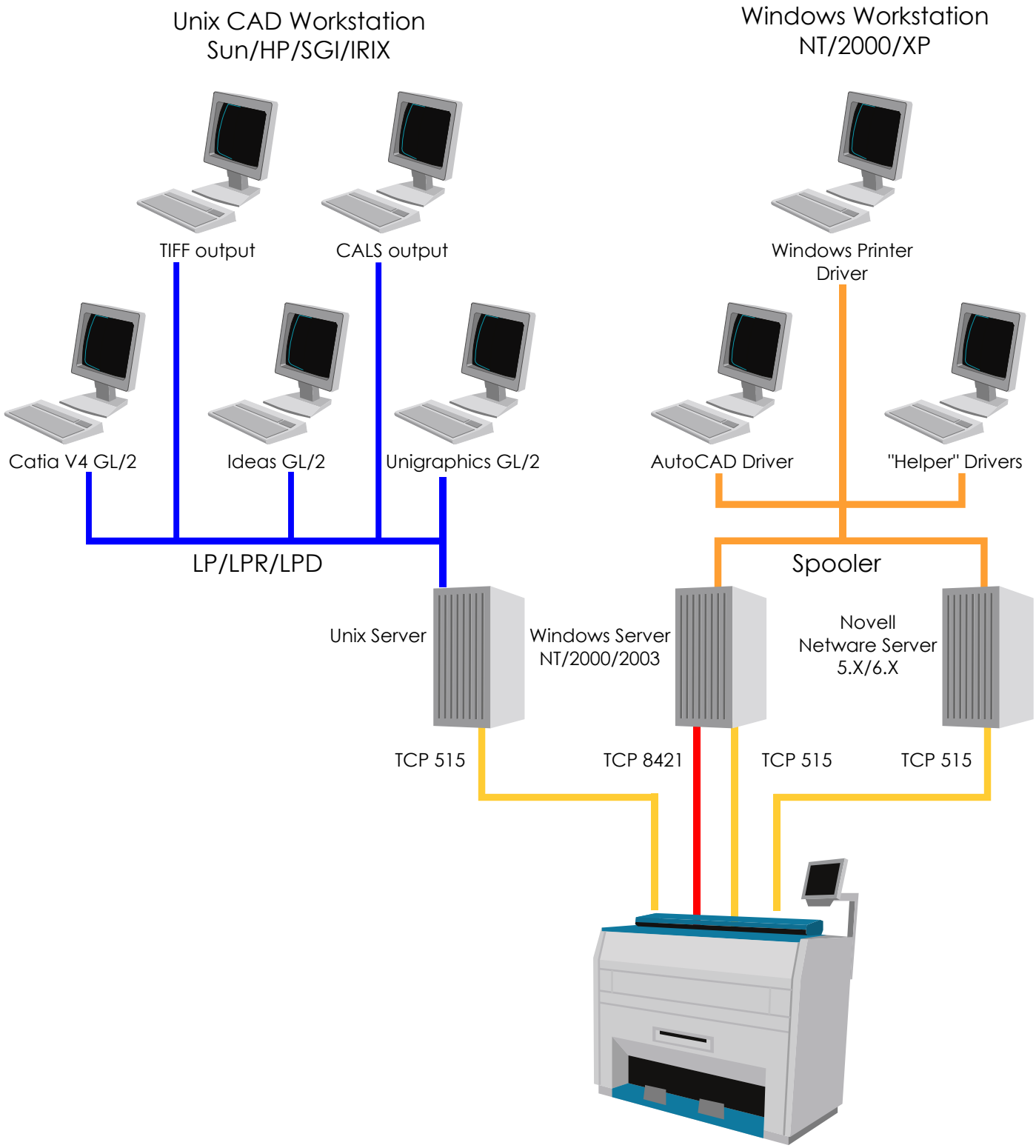
D The KIP Windows driver enables printing directly from all types of Windows® based applications.

U Standard TCP/IP connectivity ensures easy integration with UNIX based software applications.



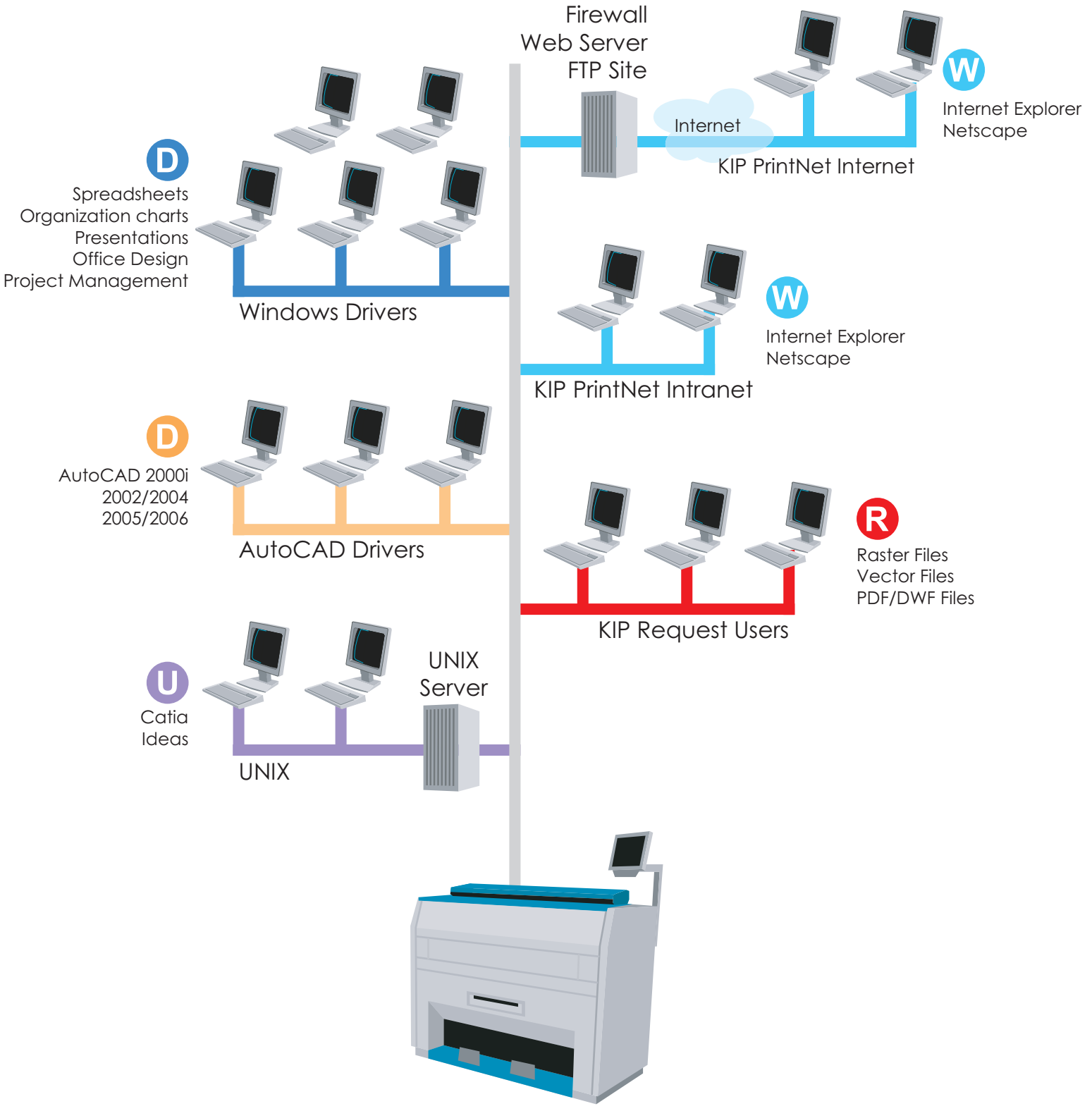
KIP

KIP 3000 Network Connectivity



KIP

KIP Network Connectivity



KIP

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